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Economic and Systematic Botany
Economic Collections
Rec'd MAR 17 1930

SEEDS
and
FARM IMPLEMENTS

Since 1848



THE W.E. BARRETT CO.
PROVIDENCE, R.I.



1930

Vegetable Seed Trials
D. N. Shoemaker
MAR 19 1930

PROVIDENCE, R. I.

LAWNS AND THEIR MANAGEMENT

To insure a really fine lawn, there are several requisites: A good depth of rich soil, properly drained and free from boulders immediately below the surface; a liberal dressing of thoroughly decayed manure (10 to 12 cords per acre); nicety of grading in the levels and slopes; a firm, smooth surface upon which to sow the seed; and a sufficient quantity of the very best lawn grass seed, suited to the situation. The latter item is of prime importance. Boulders below the surface will, during the heat of summer, cause unsightly dry spots in an otherwise beautiful lawn; all such should be removed. A rich soil of good depth, and liberally fertilized, will maintain the fine greensward permanently, needing only an occasional top-dressing. Fresh, strawy manure should never be used in making a lawn; when decaying, it is liable to allow uneven settling of the soil. Make a smooth surface with harrow and rake, and use a roller to make it firm and even, before sowing the seed. After sowing, cover the seed well by raking it in, and again use the roller to finish the work.

Weeds. Plantains must be dug out just below the ground. Dandelions will grow again if cut less than 3 inches below the surface. Low-growing, spreading weeds must be torn up with a sharp rake.

Crab Grass is hard to destroy. It is an annual plant, starting to grow in June and seeding in September. The only way to get rid of it is by keeping it from seeding. This may be done by dragging up all the flower-bearing stalks with a sharp rake. Then cut closely with a low-set mower, raking up and burning all the cuttings. Where the crab grass is very thick, more severe measures may be needed. Let the lawn grow long during early or mid-August, long enough to cut

with a sickle or scythe. This gets rid of most of the flower-spikes before seeding, and it is then too late for others to form.

Fertilizing. Remember that grass roots, just as other roots, absorb food only in liquid form. Solid manures must decay and the contents become mixed with the soil-water before they are available for plant-food. Bone-meal is preferable for use in the soil, and sheep manure for top-dressing.

Watering is the life of a lawn. A thorough soaking once in a while is best. Water that does not go down deep tends to shallow rooting—a bad thing in hot weather.



THE "CAPITOL" LAWN SEED

Will produce in a short time a fine velvety growth and, with proper care, a firm durable sward, which will last indefinitely

This is the very finest mixture for a lawn that can be made, and we can recommend it for use anywhere a fine lawn is wanted. It is the result of many years' experience, and when we state that our actual sales the past season were 2500 bushels, it indicates that it must be better than ordinary Lawn Seed.

For lawn-tennis courts, croquet-grounds, etc., the "Capitol" mixture gives a fine, smooth, velvety sward a few weeks after sowing. Weight about 20 pounds to the bushel. Sow 4 bushels to the acre. Qt. 40 cts., 2 qts. 75 cts., 4 qts. \$1.25, 8 qts. \$2, bus. \$7.50.

FOR GOLF LINKS AND PUTTING-GREENS

Specially Prepared Mixture for Golf Links. Bus. \$10.

Combination of Grasses for Sowing on Putting-Greens, to produce a dense, close sward. Qt. 50 cts., pk. \$3.50, bus. \$12.



Shady-Spot Lawn Seed

On almost every lawn there are shady places where it is difficult to get grass to grow. These bare spots are very unsightly and disfigure the lawn. In such places, proper seeding may be all that is required. This mixture combines fine, dwarf-growing, evergreen varieties which do well in unsheltered or shaded spots. Some varieties of grass require more sun than others, therefore, if the kinds which need the least sun are selected, those sorts, when sown in shady places, will thrive and make a good appearance. Frequently a shady lawn, which is at the same time insufficiently drained, becomes affected with moss and coarse bog grasses. In such cases an application of slaked lime at the rate of 40 to 50 pounds to each 1000 square feet is an excellent remedy, but the moss should be first removed by the use of a sharp rake. When this is done, sow our Shady-Spot Lawn Mixture, which will bring greenness to the bare spots and restore the beauty to your lawn. Of course, very densely shaded places are quite hopeless, and no variety of grass can be made to flourish under such conditions. Qt. 40 cts., 4 qts. \$1.25, pk. \$2, bus. \$7.50.

SPECIAL MIXTURES

Often we have orders for a special mixture, some people preferring to follow out their own ideas, or wish our advice on a mixture for a peculiar situation. We are always ready and pleased to give our customers just what they want, and, whether our mixture or yours is ordered, the seed will always be the very best on the market.

MAKING AND MAINTAINING THE LAWN

While good Lawn Seed is absolutely necessary in making and maintaining an attractive lawn, there are other requisites that are almost as important, such as Fertilizers, and we highly recommend the following for that purpose—Wizard Brand Sheep Manure, Vigoro, Fine-ground Bone, and Land Lime. We can furnish any of these in quantities to suit all needs.

Maintaining a beautiful lawn calls for considerable labor, and this can be very much lightened by the use of the proper tools, such as Lawn Rollers to keep the ground in good condition; Lawn Mowers, both Motor and Hand, for trimming; Bamboo, Steel, and Wood Rakes for raking; and Garden Hose for use in case of drought. We also carry a fine line of Spades and Shovels.



A home is not complete without a velvety lawn

RESEEDING

In reseeding lawns that have become worn out by neglect or other causes, where it is not desirable to renew by plowing, it may be found very beneficial to run a light harrow over them, if the surface is large, or use a sharp steel rake for smaller spots. After this has been done, lawn seed should be sown over the surface, raking in about half the quantity advised for a new lawn, then rolling or beating down firmly; but if weeds and rank-growing grasses have got possession of the lawn, it had better be plowed under and sown afresh.

A much better stand of grass may be obtained by treating the seed with *Semesan* before sowing; also spray the soil. See page 40.

Save this Catalogue and order by it—you may be sure of prompt attention. Just state how you wish goods sent—by mail, express, or freight.

STIMUPLANT
Makes a
WONDER GARDEN

See page 9

Select Flower Seeds

A liberal discount is given on Flower Seeds sold in packets. This does not apply to collections nor to seeds by the ounce or pound. For \$1, select seeds amounting to \$1.25; for \$2, select seeds amounting to \$2.50; for \$3, select seeds amounting to \$3.75; for \$4, select seeds amounting to \$5.

FLOWERING PLANTS. We carry a full line of the popular annuals and perennials in season.

CHOICE ANNUALS FOR BLOOM THE FIRST SEASON



Crego Aster



Branching Aster

ASTERS

The Aster is a royal annual, glorifying the garden with a rich display of bloom until the chrysanthemum, for which it is a fitting forerunner, begins to open its buds. The different forms are grown in gardens everywhere. Our collection includes the most distinct forms and varieties of rich colors. A good selection will give elegant flowers for cutting from July until frost.

HEART OF FRANCE. A pure Red Aster. This beautiful variety opens as red as the purest ruby, deepens with age, and retains its remarkable color to the very end. Flowers large and full; plant of the branching type. Stems long and strong. 1½ to 2 feet. ¼ oz. 40c., 5 pkts. \$1. \$0 25

CREGO or GIANT COMET. Large, perfectly shaped flowers with long petals, wavy and twisted, suggestive of a Japanese chrysanthemum. Very handsome, average from 3 to 4 inches across, and are borne thickly on pyramidal plants from 12 to 15 inches high. **White, Carmine, Rose, Light Blue, Dark Blue, Lavender, Yellow, and Mixed.** ¼ oz. 40 cts. 20

SEMPLE'S BRANCHING. Plant of branching habit, producing from ten to twenty large, perfect flowers **White, Pink, Lavender, Scarlet, and Mixed.** ¼ oz. 40 cts. 10

LARGE-FLOWERING VICTORIA. Immense showy flowers, perfectly double to the center, with regularly overlapping petals; distinguished in appearance and excellent for cutting. The plants form pyramids 1½ feet high, and carry fifteen to twenty flowers. **White, Azure-Blue, Peach-Blossom, Rosy Carmine, Crimson, Dark Blue, and Mixed.** ¼ oz. 50 cts. 20

QUEEN OF THE MARKET. A very early variety, producing an abundant supply of beautifully colored flowers early in July. These are of great value for an early display or for quick growing cut-flowers, and are used quite largely for this purpose. 1 foot. **White, Crimson, Pink, Blue, and Mixed.** ¼ oz. 30 cts. 10

ABRONIA • Sand Verbena

Pretty, trailing plants of easy culture, with prostrate branches and clusters of sweet-scented flowers, somewhat like verbenas in profusion. Fine for baskets, rockwork, and borders. Pkt.

Umbellata grandiflora. Large clusters of rose flowers. \$0 10

ADONIS

Free-blooming plants, about a foot tall, with feathery foliage; large, brilliant flowers, in early spring, lasting a long while.

Autumnalis. Pheasant's Eye. Intense dark red flowers, Pkt. with black center. ¼ oz. 25 cts. \$0 10

Vernalis. See Perennials. 10

AGERATUM

These are greatly valued for bedding on account of their neat, vigorous growth and free-blooming habit. They bloom the whole summer through, where sown early.

Lasseauxi. Fine clusters of bright rose flowers, borne long Pkt. and abundantly; valued for cutting. ¼ oz. 25 cts. \$0 10

Mexicanum, Little Dorrit, Dwarf Blue. Flowers bright blue. The plant is very dwarf, free-blooming, and handsome. ¼ oz. 25 cts. 10

Mexicanum, Little Dorrit, Dwarf White. Like above, with large clusters of white flowers. ¼ oz. 25 cts. 10

AGROSTEMMA

Coeli-rosa. Rose of Heaven. Exceedingly pretty and graceful rose-colored flowers. 10

ALYSSUM

A great favorite for bouquets and house culture, as well as for outdoor baskets and border edgings. Pkt.

Lilac Queen. Pure lilac. ¼ oz. 25 cts. \$0 15

Little Gem. Very dwarf and spreading. ¼ oz. 75 cts. 10

Maritimum Benthami. Very sweet white flowers. Oz. 50 cts. 10

Procumbens. Trailing. 15

ARCTOTIS • African Daisy

Grandis. Bushy annual plants, producing the entire season, on long stems, large daisy-like flowers, pure white on the upper surface, the reverse side of petals lilac-blue. 2 ft. 10

ASPERULA

Azurea-setosa. Blue, fragrant flowers. 1 ft. 10



Ageratum

SUPERB BALSAM • Lady's Slipper

Popular, easily grown plants, giving brilliant masses of beautiful flowers for little care. They are about 2 feet in height, but transplanting dwarfs them and makes the flowers more double. Some are as double and perfect as camellias, and they range through all dark, rich, brilliant and delicate colors.

- Double Rose-flowered.** Flowers are very large, double, Pkt. and of perfect form. Fine Mixed.....\$0 10
- Improved Camellia-flowered.** Regular perfect blooms, large and full to the center. Choice Mixed.....Each, 10
- Florists' Best Double White** 10

BARTONIA

- Aurea** (*Mentzelia aurea*). Handsome plants, with downy foliage and fragrant, large, golden yellow flowers, which open in the evening. Thrives in any soil. Height about 3 feet..... $\frac{1}{4}$ oz. 25 cts... 10

BRACHYCOME

- Iberidifolia.** *Swan River Daisy*. Flowers light and graceful, and borne profusely; colors blue or white, with dark center. Plants spreading in habit, about a foot tall. Mixed..... $\frac{1}{4}$ oz. 40 cts... 10

CACALIA

- Coccinea** (*Emilia flammula*). *Tassel Flower*. Loves a rich, sunny spot, where they bloom until late autumn. The tassel-shaped flowers are bright scarlet and borne in graceful clusters..... $\frac{1}{4}$ oz. 25 cts... 10

CALENDULA • Pot Marigold

Grows well anywhere and produces a bright and constant mass of color until frost.

- Officinalis grandiflora fl.-pl.** Semi-dwarf plant with Pkt. handsome, very large, double, pure golden yellow flowers. The best Marigold in cultivation. Very brilliant.....Oz. 50 cts...\$0 10
- Prince of Orange.** Large, very double flowers of rich, deep orange, striped with a lighter color.....Oz. 50 cts... 10
- The Ball.** This special forcing strain of *Calendula* produces exceptionally large, extra-double flowers of bright orange..... $\frac{1}{4}$ oz. 40 cts... 15



Calendula



Giant Empress Candytuft

CANDYTUFT • Iberis

Plants of branching habit bearing spikes of flowers. Very showy for borders. One of the best cut-flowers for bouquets. Pkt.

- Finest Mixed.** 1 ft.....Oz. 40 cts...\$0 10
- Umbellata purpurea.** Dark purple. 1 ft... $\frac{1}{2}$ oz. 30 cts... 10
- Giant Empress.** White; extra large. Fine for forcing. 2 ft..... $\frac{1}{2}$ oz. 40 cts... 10
- Crimson**..... $\frac{1}{2}$ oz. 40 cts... 10
- Tom Thumb.** Very dwarf, forming a low, dense mass of green against which the large clusters of white flowers are very effective..... $\frac{1}{2}$ oz. 30 cts... 10

CANNAS

Crozy's Dwarf Large-flowering French

- Fine Mixture** of choice seeds, from dwarf, early-flowering Pkt. plants..... $\frac{1}{4}$ oz. 25 cts...\$0 10

CARNATIONS, MARGARET

Annual forms, blooming soon after the seed is sown

This form of the hardy Carnation blooms four months from seed. Plants vigorous, semi-dwarf, and neat, and if sown under glass in March or April, begin blooming in early summer and yield a brilliant display of flowers until frost. Pkt.

- Pure White, Rose, Scarlet, Violet, Mixed**.. $\frac{1}{4}$ oz. 50 cts...\$0 10

CELOSIA • Cockscomb

For beds, borders, pot culture, and winter bouquets

Celosias are free-blooming, growing best in rather light soil. Can be started early inside or may be planted outside in May.

- Cristata, Glasgow Prize.** Immense, showy dark crimson Pkt. combs. 1 ft.....\$0 25
- Pyramidalis plumosa childsi.** *Chinese Woolflower.* Crimson. 2 ft..... 15
- Pyramidalis plumosa, Golden Yellow.** 2 ft..... 25
- Pyramidalis plumosa, Scarlet.** 2 ft..... 15
- Pyramidalis plumosa magnifica.** Mixed colors. 2 ft.... 15

CENTAUREA • Bachelor's Button

Cyanus. *Blue Bottle; Cornflower; Ragged Sailor.* One of Pkt. the most popular of our garden annuals, blooming continually all summer.

- Finest Mixed.** 2 ft..... $\frac{1}{4}$ oz. 20 cts...\$0 10
- Deep Blue, Single.** 2 ft..... $\frac{1}{4}$ oz. 25 cts... 15
- Deep Blue, Double**..... $\frac{1}{4}$ oz. 25 cts... 15
- Rose Pink, Double**..... $\frac{1}{4}$ oz. 25 cts... 15
- Imperialis.** *Giant Cornflower.* Flowers very fragrant, of immense size, and great variety of colors.
- Finest Mixed.** 2 ft..... $\frac{1}{4}$ oz. 25 cts... 10
- Moschata.** *Sweet Sultan.* Very showy, fragrant flowers, excellent for cutting.
- Finest Mixed.** 2 ft..... $\frac{1}{4}$ oz. 30 cts... 10



BARRETT'S GRASS SEED MIXTURES

Make Perfect Lawns

PRICES
ON PAGE 2

Only the man who grows his own has
enjoyed the real deliciousness of vegetables

HOME-GROWN VEGETABLES ARE BEST

SEE PAGES 15-31



ANNUALS *for Cutting*

AND . . .

GAY GARDEN COLOR

Summer and Fall



BLUE LACE FLOWER

Didiscus caerulea

Pure blue flowers on slender, graceful stems
Pkt. 15 cts.



STRAWFLOWERS

Helichrysum bracteatum

Showy flowers of all colors which may be dried
for winter bouquets

Pkt. 15 cts., 1/4oz. 40 cts.



ANNUAL PHLOX

Phlox drummondii

Very brilliant bedding flowers
in bloom
until frost. Showy.

Pkt. 15 cts., 1/4oz. 40 cts.



MOURNING BRIDE

Scabiosa atropurpurea

Elegant, long-stemmed
flowers for cutting.
Mixed colors.

Pkt. 15 cts., 1/4oz. 35 cts.





Calliopsis

CHRYSANTHEMUM

Coronarium fl.-pl. Summer-blooming. The majority of Pkt. the flowers are very double and bronzy yellow, tinged with red or rose, but some will be pure white or crimson, and of graceful semi-double form. $\frac{1}{8}$ oz. 25 cts. . . \$0 15

CLARKIA

Elegans. Early, profuse-flowering plants averaging $1\frac{1}{2}$ feet in height, with oddly formed double flowers of bright rose, purple, or white. **Single and Double.** $\frac{1}{4}$ oz. 30 cts. . . 10

CLEOME • Spider Plant

Gigantea. Beautiful carmine flowers of unusual form, with long, slender threads running out from the center. Sow in the open ground as soon as it can be worked. Blooms midsummer until frost. $\frac{1}{4}$ oz. 25 cts. . . 10

COLLINSIA

Brightly colored flowers, borne in whorls, several of which cluster about each stem. Plants continually in flower. $1\frac{1}{2}$ ft. **Mixed.** $\frac{1}{4}$ oz. 25 cts. . . 10

COSMOS

Fine for cutting having long, slender stems, airy, graceful flowers, and feathery foliage. Plants tall and strong-growing, from 4 to 6 feet high, and a perfect fountain of bloom from September until frost. Should be started early. Pkt.

White Pearl. Large, snow-white flowers. . . $\frac{1}{8}$ oz. 25 cts. . . \$0 15
Large-flowering Crimson and Large-flowering Pink. . . . $\frac{1}{8}$ oz. 25 cts. . . 15

Grand Mixture. Will produce monster flowers with frilled petals; with large, round, open petals; with irregular, lacinated petals; white flowers, flecked and clouded with pink; shaded light and dark; beautiful shades of red and crimson; star-like flowers, with fringed edges, pink, white, red, in endless combination. $\frac{1}{8}$ oz. 20 cts. . . 15

Early-flowering, Finest Mixed. Seed, if sown in March and April, will flower during July. 4 ft. . . $\frac{1}{8}$ oz. 25 cts. . . 10

Double or Single Early Mixed. 15

CYNOGLOSSUM

Amabile. Chinese Forget-me-not. Strong plants, about 18 inches high, with sprays of fragrant, bright blue, forget-me-not-like flowers all summer. 10

CALLIOPSIS • Bright Eyes

Plants are of graceful habit, easy culture, and flower profusely throughout the season. As popular for cutting as for garden culture.

Drummondii. *Golden Wave.* Pure bright yellow flowers, Pkt. with a rich velvety brown eye. The plant is compact, bushy, and blooms freely. $\frac{1}{4}$ oz. 25 cts. . . \$0 10

Tinctoria. Double flowers of a rich golden yellow color, with wine-maroon spots. $\frac{1}{4}$ oz. 25 cts. . . 10

SHASTA DAISY

The flowers are very large, a foot or more in circumference, growing on long stems, with two rows of broad, pure white petals and a yellow center. Pkt. 10 cts.

DIANTHUS**Brilliant and popular Garden Pinks**

Gay, spicily fragrant flowers, well loved and grown everywhere in almost any soil. It literally covers its dense thicket of leaves and stems with brilliant masses of flowers. All the varieties named below bloom the first year from seed.

Sinensis fl.-pl. *Double Chinese or Indian Pink.* Large Pkt. and double, in all rich colors. Fine Mixed. $\frac{1}{4}$ oz. 25 cts. . . \$0 10

Heddewigii grandiflora fl.-pl. *Crown of Perfection.* Flowers of immense size and very double; produced in greatest profusion. Colors, from purest satiny white to intense red, soft pink and flesh tints and a large proportion of flowers marked in various hues. . . $\frac{1}{4}$ oz. 30 cts. . . 10

Heddewigii diadematus fl.-pl. *Double Japanese, or Diadem Pink.* Flowers large and fine and very double, ranging through all colors. Finest Mixed. $\frac{1}{4}$ oz. 40 cts. . . 10

Imperialis fl.-pl. *Double Imperial Pink.* An extra-fine mixture, producing all colors. $\frac{1}{4}$ oz. 30 cts. . . 10

Barbatus. *Sweet William.* See Perennials.

DIDISCUS • Blue Lace Flower

Cærulea. Exquisite pale lavender blooms from July to October. Fine for cutting. Height 18 inches. 15

DIMORPHOTHECA

Aurantiaca. *African Golden Daisy.* One of the showiest garden annuals; compact, bushy plants with orange-gold daisy-like blooms on long stems. 10

ESCHSCHOLTZIA • California Poppy

Californica. Brilliantly colored and poppy-like, shining with a silken luster in the sunshine. A bed of them is fairly dazzling, with its rich hues of orange, pure, yellow, scarlet, creamy white, crimson and carmine.

Single, Carmine King (crimson), **Golden West** (lemon), **Mandarin** (orange), **Mixed.** . . $\frac{1}{4}$ oz. 25 cts. . . 10

Double, Mixed. $\frac{1}{8}$ oz. 25 cts. . . 10

EVERLASTING FLOWERS

Flowers retain their form and color for years, if cut when just in bud and hung head downward to dry. Pkt.

Acroclinium. Mixed. 1 ft. $\frac{1}{4}$ oz. 30 cts. . . \$0 10

Globe Amaranth. *Bachelor's Button.* Mixed colors. 1 ft. $\frac{1}{4}$ oz. 25 cts. . . 10

Helichrysum. *Strawflower.* Mixed. 2 ft. . . $\frac{1}{4}$ oz. 35 cts. . . 15

GAILLARDIA • Blanket Flower

Showy bedding plants, averaging about 2 feet in height, and covered with flowers from midsummer until frost.

Pulchella picta Lorenziana. Double flowers, in many Pkt. bright colors. $\frac{1}{4}$ oz. 25 cts. . . \$0 10

Aristata (grandiflora). See Perennials.

GODETIA

Mixed. Compact, branching, attractive little plants, always gay with white, rose, or crimson flowers. $\frac{1}{4}$ oz. 25c. . . 10

GYPSOPHILA • Baby's Breath

Elegans grandiflora. Delicate sprays of pure white flowers. $\frac{1}{4}$ oz. 25 cts. . . 10

Muralis. Beautiful shade of rose-pink. Oz. 25 cts. . . 10

HELIOTROPE

Finest Mixed. Excellent for bedding; very fragrant flowers, fine for cutting. Grows well in the house. 2 ft. Pkt.
 1/4 oz. 50 cts. ... \$0 15

HELIANTHUS • Sunflower
ANNUAL VARIETIES

The tall-growing sorts are fine for background along fences and walls or large borders; small varieties, for cutting. Pkt.
Californicus fl.-pl. Double; deep yellow. 5 ft. 1/2 oz. 25c. ... \$0 10
Globosus fistulosus. Globe-shaped; yellow. 6 ft. 1/4 oz. 20 cts. ... 10
Nanus variegatus. Dwarf; handsome variegated foliage. 4 ft. 1/4 oz. 20 cts. ... 10
Debilis cucumerifolius. Miniature Sunflower. Of pyramidal growth, covered with hundreds of small, single, bright orange flowers. 3 ft. 1/4 oz. 20 cts. ... 10

HIBISCUS

Trionum (africanus). Showy and effective. The large, cream-colored flowers have a rich, dark brown center. The plants grow about 2 feet tall. 10

HOLLYHOCK • Althæa rosea

Hybrida semperflorens. Annual. Plant early inside and transplant outside in May. Double Mixed. 1/4 oz. 40 cts. ... 10

KOCHIA

Trichophylla. Summer Cypress; Mexican Firebush. Pretty little bushes of pyramidal shape; foliage delicate green, the little, brilliant scarlet flowers completely covering the whole plant. Excellent for hedges along walks in gardens. 3 ft. 1/4 oz. 25 cts. ... 10

LANTANA

Hybrida. Verbena-like heads in colors of orange, rose, and white. A fine bedding plant. 2 1/2 ft. 1/4 oz. 30 cts. ... 10

LARKSPUR • Delphinium

Rocket Larkspurs are very showy, and produce their bright-colored spikes of flowers the first season if sown early. For other Larkspurs, see Perennials. 1/4 oz. Pkt.

Dwarf Double German Rocket. All colors mixed. \$0 20 \$0 10
Tall Double German Rocket. Dark Blue, Light Blue, Brick-Red, Rose, White, Apple-Blossom, and Mixed. 25 10

LINUM

Grandiflorum rubrum. Scarlet Flax. An easily grown plant with fine stems and foliage and producing a profusion of beautiful bright scarlet blooms. 1/4 oz. 20 cts. ... 10

LOBELIA

The Erinus forms of Lobelia are quite showy and free-blooming; the dwarf forms are used for edgings, vases, etc.; other sorts for beds. All are of easy culture.

Erinus gracilis, light blue, and **Erinus alba**, pure white. Pkt. Trailing. \$0 10
Erinus compacta varieties: **Alba**, pure white; **Crystal Palace**, dark blue, and **Prima Donna**, rich purple. 10
Erinus speciosa. Ultramarine-blue. Trailing. 10
Erinus speciosa superba. Dark blue, with white eye. Trailing. 10

LUNARIA

Annua (biennis). Honesty. A hardy biennial that must be sown in autumn or early spring in order to bloom the first year. Flowers purple and double. 10

LUPINUS • Sun Dial

A very effective plant in mixed borders and grows about 2 feet tall. The seed should be sown where the plants are to stand. Mixed. 1/4 oz. 25 cts. ... 10

MALOPE

Trifida grandiflora. Mallow. Robust branching plants, usually about 2 feet high, with very pretty large, mallow-like red or white flowers. Mixed. 1/4 oz. 20 cts. ... 10

MARIGOLD

DOUBLE FRENCH AND AFRICAN

Showy plants for midsummer and autumn bloom, growing 1 to 2 feet tall; free-flowering and easy to grow.

Eldorado. Finest of the double African Marigolds. Flow- Pkt.
 ers from 3 to 4 inches across, very double, of bright golden orange and primrose shades. Mixed. 1/4 oz. 40 cts. ... \$0 10
Legion of Honor. Dwarf; single; yellow. 1/4 oz. 40 cts. ... 10
Tall Double French. Flowers of various bright colors. Mixed. 1/4 oz. 20 cts. ... 10
Dwarf Double French. Plants low and compact. Mixed. 1/4 oz. 20 cts. ... 10

MATRICARIA

Capensis. Chamomile Feverfew. Fine for cutting and pot culture, as well as for beds and borders. Thrives well in all soils; blooms until frost. Flowers pure white, double. 18 to 20 inches tall. 10

MESEMBRYANTHEMUM

Crystallinum. Ice Plant. Glistening waxen leaves and stems covered with a shining granular coat. Flowers quite pretty and of various colors. Plant trailing, about 6 inches high. Well adapted for baskets, vases, borders, etc. Mixed. 10

MIGNONETTE

The matchless perfume of this modest flower renders it one of the most popular annuals grown. In form and color the flower-spikes have been greatly improved, but it is for their delicate, subtle fragrance that they will always be chiefly valued for garden and window culture, and for the costliest as well as the simplest bouquets. 1/4 oz. Pkt.

Defiance. Specially adapted for pot culture. \$0 25 \$0 10
Gabrielle. Very pretty sort, bearing large spikes of red flowers. 25 10
Large-flowering. The old and well-known Mignonette, still as sweet as any. \$0 50 10
Machet. The best variety for pots. Dwarf, free-blooming, with flower-spikes beautiful, bright reddish maroon; very sweet. \$0 25 10



Larkspur



Tom Thumb Nasturtiums

MIMULUS • Monkey Flower

Flowers showy and oddly marked; ground color white or yellow, flaked and spotted with maroon, scarlet or crimson. Plants dwarf, compact, and bloom continuously.

Moschatus. The well-known Musk Plant, with strongly Pkt. scented yellow flowers. \$0 15

Tigrinus grandiflorus. Large-flowering, tigered and spotted varieties in many rich colors 15

MIRABILIS

Jalapa. *Four o'Clock.* Old favorites, with sweet-scented flowers of many different colors. They open in the afternoon and wither in the morning. Mixed Oz. 25 cts... 10

MOMORDICA

Handsome tendril climbers, thriving in any good garden soil, bearing small odd-shaped fruit. Pkt.

Balsamina. *Balsam Apple.* \$0 10

Charantia. *Balsam Pear.* 10

DWARF NASTURTIUMS**TOM THUMB VARIETIES FOR BEDDING**

None of the old-fashioned plants deserve their renewal of popularity better than the Nasturtium, so brilliant and varied in coloring, free in bloom, and picturesque in appearance. Its brave and hardy habit of growth, even in hottest suns and poor soils, once gave it the name of "the soldier's flower," which was well borne out by the rollicking air of the climbing varieties; but now the artists claim it, and its pale green, shield-shaped leaves and vivid flowers appear on all sorts of choice bric-a-brac, besides being prime favorites for cut-flowers and personal adornment. Thick masses of leaves and flowers not more than a foot high.

Fine Mixture. Will produce lovely flowers of many colors. Oz. 20 cts., $\frac{1}{4}$ lb. 60 cts.

For Climbing Nasturtiums, see Ornamental Climbers.

NEMOPHILA

Of compact habit; oddly and beautifully colored flowers of blue, purple and white, in unusual markings and blendings. Pkt.

Mixed. $\frac{1}{4}$ oz. 20 cts... \$0 10

NICOTIANA

Affinix hybrida. Mixed colors. $\frac{1}{4}$ oz. 25 cts... 10

NIGELLA • Love-in-a-Mist

A delicately pretty plant, with light blue or white flowers, set in a mist of feathery green foliage, and bearing curious seed-pods. Pkt.

Mixed. $\frac{1}{4}$ oz. 20 cts... \$0 10

NOLANA

Beautiful trailing border plants, with flowers in all shades of blue and white; also admirable for hanging-baskets, etc. Pkt.

Mixed. $\frac{1}{4}$ oz. 25 cts... \$0 10

OENOTHERA • Evening Primrose

Flowers large, fragrant, showy, yellow being the predominating color, affording a fine display. Pkt.

Mixed. $\frac{1}{4}$ oz. 25 cts... \$0 10

PANSIES

We wish to call especial attention to our large and fine assortment of Pansy seed, which includes all famous and desirable shades and blendings. The collection is quite complete and contains only the finest and purest strains.

A garden without Pansies is an anomaly nowadays, for their bewitching flower-faces are grown and loved everywhere. The plants will live on from year to year, like other species of violets, but the flowers become smaller as the parent stem grows older, and so for a continual supply of flowers, the seeds are sown twice a year—in spring and autumn.

Finest Mixed. From a splendid strain of large-flowering Pkt. and finely blotched varieties $\frac{1}{4}$ oz. 40 cts... \$0 10

Large-flowering Prize. Special mixture prepared by ourselves, which embraces the most striking and beautiful colors. Finest mixed $\frac{1}{8}$ oz. 75 cts... 10

Mme. Peret. Choice strain from a celebrated English grower $\frac{1}{8}$ oz. 75 cts... 10

Bugnot's Superb Blotched. Very beautiful, extra-flowering variety $\frac{1}{8}$ oz. \$1... 10

Trimardeau, or Giant. Beautiful class of vigorous growth with flowers of enormous size; finest strain. $\frac{1}{4}$ oz. 50 cts. 10

Parisian Giant. A splendid strain; large, beautifully marked flowers. $\frac{1}{8}$ oz. 60 cts... 10

Giant White. With purple eye; very beautiful. 10

Giant Yellow. Black center. 10

See that your Garden has a fine bed of Pansies

PORTULACA

Sturdy little trailing plants that bloom brightest during our warmest, driest weather. Beds of them form brilliant rainbows of color on sunshiny mornings—the sun cannot be too warm for them. Pkt.

Single, Mixed. In many rich colors. $\frac{1}{4}$ oz. 20 cts... \$0 10

Double Mixed. A large percentage of the flowers will be as double as little roses. $\frac{1}{8}$ oz. 40 cts... 10



Large-flowering Prize Pansies



Salpiglossis

PETUNIAS

No annual of the garden is more lavish with its flowers, or more readily adaptable to any and every purpose than the Petunia. So popular has it become that enthusiasts have given years of patient care to its improvement, and we now have superb show varieties, fringed, ruffled and double, mottled, striped and self-colored.

LARGE-FLOWERING FRINGED

A choice mixture from superb strains, combining extreme elegance of form with a great diversity of bright and delicate colors. Double, pkt. 50 cts. Single, pkt. 25 cts.

Inimitable Striped and Blotched. Finely shaped flowers, with stelliform blotches. All sorts.....	$\frac{1}{4}$ oz. 40 cts...	\$0 10
Howard's Star. Dark crimson, with white star in center...	$\frac{1}{8}$ oz. 50 cts...	10
White.	$\frac{1}{8}$ oz. 50 cts...	10
Rosy Morn.	$\frac{1}{8}$ oz. 50 cts...	10
Crimson.	$\frac{1}{8}$ oz. 50 cts...	10
Violacea. Rich velvety purple.....		25
Good Mixed. We will give an equal percentage of all choice types.....	$\frac{1}{4}$ oz. 35 cts...	10
Balcony Petunias, Mixed.		15

PHLOX DRUMMONDI

The Drummond Phloxes have every quality desirable in a fine bedding plant. With brilliancy and variety in color they combine grace and refinement of form, a free and constant blooming habit, neat, compact growth, and ease of culture.

Nana compacta. The Dwarf Phloxes are of neat, compact habit, growing only about 8 inches high. Charming and unique. Choice mixed colors.....	$\frac{1}{8}$ oz. 60 cts...	\$0 10
Stellaris cuspidata. Star Phlox. Pretty star-shaped flowers, forming a lace-like cluster.....	$\frac{1}{4}$ oz. 40 cts...	10

LARGE-FLOWERING PHLOX

Flowers as large as in the perennial class $\frac{1}{4}$ oz. Pkt.

Rotunda grandiflora alba. Pure white.....	\$0 50	\$0 15
Striata. Richly striped with red and rose.....	50	15
Isabellina. Flowers are yellow; distinct and new...	50	15
Kermesina splendens. Vivid crimson, white eye..	50	15
Mixed Varieties. All varieties mixed.....	40	15

POPPIES

The annual Poppies are quite as brilliant and effective for all purposes as the old-fashioned perennial sorts. They grow freely in any good soil.

SINGLE POPPIES

Shirley. Daintily marked and colored flowers of light, gauzy appearance. Mixed.....	$\frac{1}{4}$ oz. 25 cts...	\$0 10
Tulip Poppy. Grows 12 to 14 inches tall, branches freely, and bears brilliant crowns of from 50 to 60 large, vivid scarlet flowers. Begin to bloom in early June and continue until late.....	$\frac{1}{4}$ oz. 30 cts...	10

DOUBLE POPPIES

Mikado. Each blossom is a large, soft ball of finely divided petals, pure white at the base, flaming into brilliant crimson-scarlet toward the tips.....	$\frac{1}{4}$ oz. 20 cts...	10
Peony-flowered Double. Large flowers, very double and shapely, brilliantly colored; free-blooming, and more lasting than is usual with Poppies. Mixed..	$\frac{1}{4}$ oz. 20 cts...	10
White Swan. Very handsome, snowy white flowers; graceful, of fine size, fringed and double.....	$\frac{1}{4}$ oz. 20 cts...	10

For other varieties of Poppies, see Perennials

SALPIGLOSSIS • Tube Tongue

Variabilis grandiflora. This elegant half-hardy annual flowers in late summer and autumn. The blossoms are velvety, with deep veins and markings, lily-shaped and quaintly lovely. Mixed.....	$\frac{1}{8}$ oz. 25 cts...	10
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SALVIA • Flowering Sage

Magnificent bedding plants, all ablaze with long spikes of blue or scarlet flowers from June until October. 1 to 2 feet.

Splendens, America. Flowers bright scarlet.....	$\frac{1}{4}$ oz. 75 cts...	\$0 15
Patens. Leaves silvery; large, beautiful, sky-blue flowers...		15
Bonfire. Beautiful dwarf variety, producing long spikes of rich scarlet flowers; very free-blooming..	$\frac{1}{8}$ oz. 60 cts...	15
Farinacea. Long spikes of lavender-blue flowers.....		25
Pratensis atrovioacea. A dark violet, perennial variety..		25
Harbinger. A new, dwarf, large-flowering strain that blooms all season. Large, brilliant scarlet flowers.....		25

SAPONARIA

Multiflora, Scarlet Queen. Hardy annual, growing into thick clumps, and producing masses of fragrant red, cruciform flowers.....	$\frac{1}{4}$ oz. 20 cts...	10
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SCABIOSA

Atropurpurea grandiflora. Mourning Bride. Curious and pretty—old-fashioned flowers, still deservedly popular. Mixed.....	$\frac{1}{4}$ oz. 35 cts...	15
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Phlox Drummondii



Schizanthus

SCHIZANTHUS**Butterfly or Fringe Flower**

Grandiflorus. Erect-growing plants for the house or garden. It is notable for its wonderful variety of coloring and is of easy culture. Its peculiarly shaped and oddly marked flowers are fine for cutting. Finest mixed. Pkt. 10 cts.

STATICE**Sea Lavender**

Excellent for cut-flowers, coming in many shades. Can be dried and used for winter bouquets. Start early inside. Height 2 ft. **Bonduelli** (yellow), **Sinuata** (blue), **Sinuata hybrida**, and **Mixed**. Each, Pkt. 10c.

STOCKS

For an early and profuse display of brilliant flowers

These free-blooming plants are easy to grow either in beds or pots. Almost all the varieties have long, handsome spikes of fragrant flowers, which are admirable for cutting and remain fresh a long while. The Ten-Weeks Stocks are especially popular because they bloom so soon after the seed is sown.

LARGE-FLOWERING TEN-WEEKS

The plants flower ten to twelve weeks after the seed is sown. We offer a magnificent strain of this in separate colors:

Pure White, Flesh-colored, Dark Crimson, Dark Pkt. Blood-Red, Light Blue, Pink, Scarlet, Dark Blue, and Mixed.....Each, \$0 15

CUT-AND-COME-AGAIN STOCKS

An unusually free-blooming species. The plants grow about 2 feet high, and send out numerous side branches, each of which bears a cluster of fragrant flowers, beautifully shaped and very double. From spring until late in fall the plants are covered with flowers, and they thrive equally well in pots or beds. **White and Mixed Colors**. Each, pkt. 15 cts.

VIRGINIAN STOCKS

Pretty, profuse-flowering little plants about 1 foot tall, with clusters of red and white flowers. $\frac{1}{4}$ oz. 25 cts., pkt. 10 cts.

VERBENAS

Plants from seed sown early in spring keep their beds gay with flowers from midsummer until frost. They are trailing in habit, and wide-spreading, loving a rich, sandy soil, plenty of room, and full sunshine. No finer seed than ours can be procured anywhere.

Mammoth Varieties. This superb strain is a great improvement on the older varieties, both in size and color of flowers and habit of plants. The florets average an inch in diameter, and have clearly defined margins and large, white centers. The trusses are large in proportion, and borne in great profusion, upon robust, vigorous plants. Seed from finest flowers. **Pink, Purple, Scarlet, White, and Mixed**..... $\frac{1}{8}$ oz. 50 cts. \$0 10

Nana compacta. New dwarf varieties of very dwarf and spreading habit, requiring no pegging down. **Mixed**..... 10

ZINNIAS

These glorious flowers are borne on strong, stiff stems, making them of the greatest value as cut-flowers for vasing, and in the flower-garden they stand perfectly erect, showing them in all their beauty.

GIANT DOUBLE DAHLIA-FLOWERED ZINNIAS

The latest development in Zinnias, bearing flowers of mammoth size and in form like a perfect Decorative Dahlia. Grand mixture. Pkt. 25 cts.

Elegans grandiflora robusta plenissima.

	$\frac{1}{4}$ oz.	Pkt.		$\frac{1}{4}$ oz.	Pkt.
Purple	\$0 75	\$0 25	White	\$0 75	\$0 25
Rose	75	25	Yellow	75	25
Scarlet	75	25	Lilac	75	25

One pkt. of each \$1.25. Mixture of above colors, $\frac{1}{4}$ oz. 75c., pkt. 15c.

Elegans, Curled and Crested. Finely varied flowers..... Pkt. $\frac{1}{4}$ oz. 50 cts. \$0 10

Parviflora. The Lilliput-flowered Zinnias. Tiny flowers of double, perfect form; unique and charming for bouquets. All colors..... $\frac{1}{4}$ oz. 50 cts. 10

FLOWER SEEDS FOR WILD GARDENS**SPLENDID MIXTURES OF MANY BEAUTIFUL VARIETIES**

These mixtures contain many beautiful and interesting annuals, furnishing a profusion of bloom from early summer until frost. They are intended to produce a display without the care necessary to regularly kept flower-beds.

Dwarf Wild Garden Flower Seeds. Pkt. 10 cts., 6 pkts. 50 cts.

Tall Wild Garden Flower Seeds. Pkt. 10 cts., 6 pkts. 50 cts.



Large-flowering Ten-Weeks Stocks

STIM-U-PLANT

PLANT STIMULANT TABLET

Is plant-food in tablet form, containing 11 per cent nitrogen, 12 per cent phosphoric acid and 15 per cent potash. Stim-U-plant tablets are the richest plant tablets sold for use in stimulating all flower, vegetable and ornamental plants. These plant tablets promote a luxuriant, vigorous growth of branch, leaf, and flower. Try them on your house plants and they will become strong and healthy. Complete directions with package. Trial size, 15 cts. Small size, 25 cts. Medium size (100 tablets), 75 cts. Large size (1,000 tablets), \$3.50.

SEEDS OF ORNAMENTAL FOLIAGE PLANTS

FOR SUMMER BEDDING, BORDERS AND POT CULTURE

ACANTHUS • Bear's Breech

Latifolius. A tall, herbaceous perennial of beautiful Pkt. and stately habit, grown for its rich tropical leafage. Handsome and effective, whether grown as a center for foliage beds or as a specimen plant for lawns and borders..\$0 10

AMARANTHUS

Tall-growing plants; showy leaves, variegated with shades of red, yellow and green; long racemes of flowers. Annual.

Caudatus. *Love-lies-bleeding.* Blood-red flowers on plants Pkt. 3 feet tall.....\$0 10

Cruentus. The well-known Prince's Feather..... 10

Henderi. Ornamental foliage..... 10

Sunrise. Used in parks and private gardens..... 25

Tricolor. *Joseph's Coat.* Leaves are a mosaic of color.... 20

CENTAUREA • Dusty Miller

Silver-leaved plant, indispensable for ribbon beds and borders, the soft, natural tints of grayish green being very effectual in harmonizing contrasts in more brilliant leaves. Annual.

Candidissima. Leaves broader and whiter than in any Pkt. other silver-leaved sort.....\$0 10

Gymnocarpa. Very graceful variety..... 10

CINERARIA

Maritima. Another fine silver-leaved plant. Leaves are silvery white; flowers yellow..... 10

COLEUS

The leaves are of many shapes and bright colors, and nearly all varieties have a rich, velvety appearance. Seed sown in March or April will produce fine plants for bedding. Pkt. 15 cts.

EUPHORBIA

Heterophylla. *Painted Leaf.* Glossy green leaves, forming Pkt. large bracts on the ends of the branches, changing in midsummer to brilliant scarlet. Annual.....\$0 10

Variegata. *Snow-on-the-Mountain.* Of robust growth, with fine green leaves, striped with white. Annual..... 10

PERILLA

Nankinensis. A beautiful half-hardy annual plant. Leaves rich, dark purple, fringed. Contrasts with silver-leaved foliage plants. Annual..... 10

PYRETHRUM

Aureum. *Golden Feather.* A hardy annual with golden yellow finely cut foliage, producing rich, soft effects in bedding. Hardy Annual..... 10

RICINUS • Castor-Oil Bean

Plants of stately growth; fine fruits and leaves. Annual.

Bourboniensis arboreus. Grows 15 feet high; leaves enormous.....Oz. 30 cts... 10

Cambogensis. Red-black stems; very dark leaves; very distinct.....Oz. 25 cts... 10

Gibsoni. *Duchess of Edinburgh.* Dark purple leaves and stems.....Oz. 25 cts... 10

Zanzibarensis. The plants attain great dimensions, presenting a splendid aspect with their gigantic leaves. Mixed.....Oz. 30 cts... 10

SEEDS OF HARDY PERENNIALS

MANY PERENNIALS BLOOM THE FIRST SEASON IF SOWN EARLY

ACHILLEA

Ptarmica, The Pearl. Abundance of small white flowers Pkt. for cutting..... $\frac{1}{2}$ oz. \$1..\$0 25

ACONITUM • Monkshood

Napellus grandiflorum. Curious, helmet-shaped blooms, quite pretty and striking, produced on tall racemes above the finely cut foliage. Very prodigal of its large, bright blue flowers from midsummer until late in autumn.... 15

ADONIS

Vernalis. A bright, early spring plant, with large, showy flowers of sunshiny yellow..... 10

AGROSTEMMA

Coronaria. *Rose Campion.* Exceedingly pretty and graceful flowers in red, violet, white, and variegated. Mixed... 10

ALYSSUM

Saxatile compactum. Low-growing, with light green, silky foliage; golden yellow flowers. For shaded places.... $\frac{1}{4}$ oz. 50 cts... 10

ANCHUSA

Italica, Dropmore. Very popular. Plants 4 feet high with numerous rich gentian-blue flowers. Excellent for cutting. 15

ANEMONE • Windflower

Fine Mixed. Old favorites, and among our earliest spring flowers. Various shades of scarlet, purple, blue and white, sometimes striped..... 15

ARABIS

Alpina. *Rock Cress.* Pure white flowers borne on erect spikes; blooms very early. 9 in..... $\frac{1}{4}$ oz. 25 cts... 10

ANTIRRHINUM • Snapdragon

Bloom the first year if sown early, and make very bright and showy bedding plants. The dwarf sorts grow only 6 to 8 inches tall; other species from 2 to 3 feet high.

Maximum, Apple Blossom, delicate pink, white throat; Pkt. **Canary Bird,** delicate yellow; **Cerberus,** dark purple with white; **Maralda,** coppery carmine; **Old Gold,** golden orange; **Rose,** pure rose; **Snowflake,** lovely pure white; Mixed Colors.....Each, \$0 15

Semi-Dwarf, Mixed...... 10

Tom Thumb, Mixed. All colors; fine for bedding..... 10

ARMERIA • Sea Pink; Thrift

Formosa hybrida. Pink shades. Edging plant..... $\frac{1}{2}$ oz. 50 cts... 15

ASPERULA

Odorata. *Sweet Woodruff.* Free-flowering plants which thrive well in shaded places. Flowers white, sweet-scented. 1 ft..... $\frac{1}{2}$ oz. 30 cts... 10

AQUILEGIA • Columbine

Very handsome and free-blooming plants, bearing curiously shaped flowers in many bright and delicate colors. They grow about 2 feet tall.

Chrysanth grandiflora alba. Long-spurred Columbine. Pkt. Large, snow-white flowers..... $\frac{1}{2}$ oz. 50 cts...\$0 10

Chrysanth grandiflora sulphurea. Soft sulphur-yellow..... $\frac{1}{2}$ oz. 50 cts... 10

Vulgaris. Odd and very pretty double flowers. **Yellow, Striped, Blue, White, and Mixed.**.... $\frac{1}{2}$ oz. 50 cts... 10

ASTERS, Large-flowering Mixed. *Michaelmas Daisies.*... 20

PERENNIAL PLANTS IN SEASON

BELLIS PERENNIS • Double English Daisy

This dainty little flower is a favorite everywhere. It is of easy culture, and grows well in all soils, if given a rather moist, shaded situation. Flowering plants grow readily from seed sown in the border in early spring, or in boxes in the house. They seldom exceed 6 inches in height, and bloom from spring until mid-summer; in some localities sparingly in autumn. An exquisite plant for shady borders and for edgings to beds, or for window-boxes in a cool room where in winter flowers are sent up thickly, forming rainbows of pink and white.

- Flore-pleno.** Flowers double. Mixed colors. $\frac{1}{8}$ oz. 50 cts. Pkt. \$0 10
Longfellow. The bright rose-colored flowers are very large and double, and borne on long, stiff flower-stalks. An exquisite flower for cutting. 10
Snowball. A pure white variety with very large, perfect flowers on long stems. 10

CAMPANULA • Bellflower

- Carpatica.** *Harebell.* Free-flowering with erect flowers. Useful for edging. Height 6 in. Colors, Blue and White. 20
Medium. *Canterbury Bell.* Produces large, nodding, single, bell-shaped flowers of charming form and many beautiful shades. Striped, Dark Blue, Rose, White, Mixed. $\frac{1}{8}$ oz. 50 cts. 15
Double Mixed. 25
Medium calycanthema. *Cup-and-Saucer.* Handsome flowers in many tints of blue, rose and white.
Single Mixed. $\frac{1}{8}$ oz. 40 cts. 15
Double Mixed. 25
Pyramidalis. Flowers in many shades of blue. Mixed. $\frac{1}{8}$ oz. 30 cts. 15

CHRYSANTHEMUM

- Double Pompon.** Mixed colors 10

COREOPSIS • Tick Seed

- Grandiflora.** Very large, golden yellow flowers on long stems, useful for cutting. $\frac{1}{4}$ oz. 35 cts. 10
Grandiflora fl.-pl. Same only double. $\frac{1}{4}$ oz. 50 cts. 10

DELPHINIUM

Indispensable to the hardy garden, because of their long, graceful spikes of bright blue flowers.

- Elatum Belladonna Hybrids.** Lovely blue shades. Pkt. $\frac{1}{8}$ oz. 50 cts. \$0 15
Formosum. Rich blue flowers, with white centers. $\frac{1}{8}$ oz. 90 cts. 15
Nudicaule. Scarlet; interior peach-red. $\frac{1}{8}$ oz. 90 cts. 15
Zalil. Long yellow spikes; very rare. 50

DIANTHUS • Pinks

- Barbatus.** *Sweet William.* Attractive, profuse-blooming garden plants. The flowers have a quaint perfume. Single or Double, Mixed. Seed from fine flowers of many colors. 15
Double Hardy Garden or Grass Pink. This species is in perfection about the first of June. $\frac{1}{4}$ oz. 30 cts. 10
Plumarius. *Double Pheasant's Eye Pink.* Double, fragrant, fringed flowers, white, crimson, or purple. $\frac{1}{4}$ oz. 40 cts. 10

DIGITALIS • Foxglove

A stately, handsome plant, from 3 to 4 feet high. Its fine waxen flowers droop gracefully from long spikes, upon which they are set thickly. Among shrubbery, or as a background for lower plants, it gives great satisfaction. Colors: White, Pink, Purple, and Mixed, each, pkt. 10 cts., $\frac{1}{8}$ oz. 25 cts.

Lutzi. Salmon. Pkt. 15 cts.

DIELYTRA • Bleeding-Heart

- Spectabilis.** Long racemes of graceful, heart-shaped, pink flowers. Used for forcing. Also at home in hardy borders, especially in shady places. Pkt. \$0 50

GAILLARDIA

- Aristata (grandiflora).** Splendid new perennial variety, Pkt. with very large, handsome flowers, having dark crimson centers marked with rings of many brilliant colors. \$0 10

GYNERIUM

- Argentea.** *Pampas Grass.* The silvery plumes are very light and graceful in effect, and are much used for all sorts of indoor decoration. For clumps upon lawns, the plant is elegant and striking, and usually grows from 6 to 8 feet high. Requires winter protection. $\frac{1}{8}$ oz. 40 cts. 10

GYPSOPHILA • Baby's Breath

- Paniculata.** A dainty, mist-like plant, with sprays of small, white, star-shaped flowers and delicate foliage. 10

HOLLYHOCKS (Chater's Superb Strain)

This stately, handsome, old-fashioned plant has been greatly improved of late years, and its tall spikes of double silken flowers are magnificent when grown either in clumps or lines.

Separate Colors. Pure White, Scarlet, Golden Yellow, Peach, Pink, Newport Pink, and Mixed, each, $\frac{1}{8}$ oz. 30 cts., pkt. 15 cts.; the 6 varieties for 75 cts.

IBERIS • Candytuft

- Sempervirens.** White blossoms in May. Height 9 in. Pkt. \$0 15

LAVANDULA

- Vera.** *Lavender.* Grown for its leaves and flowers, which retain their fragrance when cut and dried. 10

LIATRIS • Blazing Star

- Showy flowers in long spikes; very effective among other perennials or shrubs. Foliage grass-like. Height 1 to 1 $\frac{1}{2}$ ft. Pkt.
Callilepis. Deep lilac. \$0 15
Spicata. Purple-rose. 25

LOBELIA

- Cardinalis.** *Cardinal Flower.* Long spikes of intense scarlet flowers. One of the most brilliant plants in cultivation. Suitable for all situations. 20

LUPINUS • Lupine

- Polyphyllus.** New Hybrids. A wonderful mixture. 15

LYCHNIS • Jerusalem Cross

- Haageana hybrida.** Handsome plants of easy culture for massing in beds or borders. Will bloom first year if sown early. Height 1 $\frac{1}{2}$ ft. Mixed colors. 15

MYOSOTIS • Forget-me-not

- Palustris.** *True Forget-me-not.* Flowers bright blue, with a large golden yellow eye. $\frac{1}{8}$ oz. 75 cts. 10
Rosea. Rose-colored variety of the Victoria. $\frac{1}{8}$ oz. 40 cts. 10
Victoria. A dwarf variety, which forms shapely, rounded plants, and is well adapted to pot culture, although it loves the hardy garden quite as well. Sky-blue flowers in thick clusters, the center being double. $\frac{1}{8}$ oz. 40 cts. 10

PAPAEVER

- Nudicaule.** *Iceland Poppy.* Hardy perennial. Will blossom the first year if planted early. Of graceful habit, coming in a variety of colors. Single or Double Mixed. 15
Orientalis. Large, brilliant flowers. The loose, silken petals have a blotch of black at the base. The plants are about 2 feet high. Scarlet and Mixed. $\frac{1}{8}$ oz. 35 cts. 10

PENTSTEMON

- Barbatus.** *Beard Tongue.* The plants are herbaceous, and bear graceful spikes of bloom, from early summer until frost. The flowers are white, blue, scarlet, crimson, yellow, etc. Mixed. 10

PHLOX

- Decussata.** *Perennial Phlox.* Fine clumps of these plants Pkt. form magnificent lawn and garden ornaments, and nearly all bright colors are represented in the large and handsome flower-heads. \$0 15
- Drummondii.** See Annuals.

PHYSALIS • Chinese Lantern Plant

- Francheti.** Ornamental plants, producing a profusion of orange-scarlet flowers and fruit. Height 2½ ft. 10

PHYSOSTEGIA • Dragonhead

- Virginiana.** Rosy lilac, delicate tubular flowers similar to gigantic heather. Height 4 ft. 15
- Virginiana gigantea.** Lilac-rose. 15

POLEMONIUM • Jacob's Ladder

- Cæruleum grandiflorum.** Popular border plants, with bell-shaped, bluish purple flowers. Height 2 ft. 10

PRIMULA • Primrose

- Cowslips or Hardy Primroses are favorite early spring flowers with clusters of bright blossoms in different shades of red and yellow. The clumps increase rapidly. Pkt.
- Auricula.** Mixed seed of best varieties. \$0 25
- Japonica.** Mixed colors. 10
- Veris (Polyanthus).** Showy outdoor plants. 15
- Vulgaris.** The true, fragrant yellow Primrose. 15

PYRETHRUM

- Hybridum, Single Mixed.** Bearing large daisy-like flowers. Blooms in May and June, and again in the fall, and is one of the most graceful and long-lasting cut-flowers. 1½ oz. 40 cts. 15

STATICE • Sea Lavender

- Splendid for rockery or border. Flowers may be dried and used for winter bouquets. Height 2 ft. Fine Mixed. Pkt. 10 cts.

SEEDS FOR GREENHOUSE OR POT CULTURE

ASPARAGUS

- Grown for its delicate, fine foliage. Pkt.
- Plumosus nanus.** *Asparagus Fern.* \$0 10
- Sprengeri.** *Emerald Feather.* 15

BEGONIAS

Begonias are now grown in such large quantities, that many people prefer sowing the seed to buying the plants. We offer species especially adapted for bedding and the window.

- Vernon.** Dark-leaved. Strong, dwarfish, branching plant Pkt. valuable for bedding. The coral-red flowers cover it thickly all summer long. \$0 25
- Tuberous-rooted.** Fresh seed from fine plants; will give large flowers of various shapes and colors. The tubers must be lifted and stored in dry sand, in a dry, warm place in autumn. **Mixed, Double and Single.** 25

CACTUS

- Mixed.** All classes. 15

CALCEOLARIA

- Large curiously shaped and oddly marked self-colored flowers.
- Grandiflora.** A great diversity of colors. **Mixed.** 25

CINERARIA

- Hybrida grandiflora.** A distinct and showy window plant that blooms when its brilliant velvety flowers are most appreciated. Separate colors or **Mixed.** 25

CYCLAMEN

- Giganteum.** The choicest strain of this flower obtainable. **Mixed colors.** 25

SCABIOSA • Mourning Bride

- Free-flowering sort with semi-double flowers about 2½ inches across. Good border plant. Pkt.
- Caucasica.** Lilac. \$0 15
- Japonica.** Delicate lavender-blue. 15

SILENE • Catchfly

- Asterias grandiflora.** Showy plants having carmine-scarlet globular heads; should be in every garden. Height 1½ ft. 15

STOKESIA

- Cyanea.** *Stokes' or Cornflower Aster.* Lavender-blue flowers from July until frost. Height 2½ ft. 15

SWEET ROCKET • Hesperis

- Matronalis.** Fragrant purple flowers in spring. Height 3 ft. 10

TRITOMA • Red-Hot Poker; Torch Lily

- Uvaria grandiflora.** Mixed colors. Height 3 ft. 15

VERONICA • Speedwell

- Mixed.** Mostly blue shades. Height about 2 ft. 15

VIOLA

- Odorata.** *Sweet-scented Violet.* Well-known, delightfully fragrant little flowers, which bloom most freely in early spring and fall. The seed should be sown early. Blue or **Mixed.** 10

WAHLENBERGIA • Tufted Harebell

- Grandiflora (Platycodon grandiflorum).** *Japanese Bell-flower.* Large, steel-blue flowers. Height 2½ ft. 10

WALLFLOWERS • Cheiranthus

- Exquisite perfume and rich, quaint, bright colors—usually brownish red, yellow and violet—should be in every garden. When grown in the open ground, the plants should be potted in autumn. Will bloom in winter if kept cool. Pkt.
- Single Mixed.** \$0 10
- Double Mixed.** 20

CHOICE CARNATIONS

The Vienna and Grenadin species are excellent for open-air culture and bloom several weeks earlier than the other sorts. Pkt.

- Early-flowering Vienna.** All colors. Choice mixed. \$0 25
- Early Grenadin.** Bright scarlet flowers, 60 to 70 per cent of them double; very early-flowering. 25
- Perpetual or Tree.** Tall plants, continually in flower; 75 per cent of flowers are double. Choice mixed. 50

GLOXINIA

- Hybrida.** The waxen flowers are large, bell-shaped, and richly colored, producing grand effects when different sorts are grouped together. Choice mixed. 25

IMPATIENS • Sultan's Balsam

- Sultani Hybrids.** Colors range from pale pink to dark crimson. 25

PRIMULA • Chinese Primrose

These plants are easily grown from seed and are noted for their rich, profuse, and prolonged display of flowers in winter. Full directions for culture are given on our packets.

- Sinensis fimbriata.** Very large flowers; delicately fringed. Pkt. **Crimson and Mixed.** \$0 25

VINCA • Periwinkle

- Rosea.** Ornamental, free-blooming plants with shiny foliage. Colors from white to pink and red. **Mixed.** 10

PERENNIALS FOR GARDEN COLOR

...½ SPRING TILL FALL ½...



BLAZING STAR

Liatris callilepsis

Tall, leafy stems with plumes of pinkish lilac flowers. Pkt. 15 cts.

L. SPICATA. Dark purple spikes. Pkt. 25 cts.



HARDY ALYSSUM

Alyssum saxatile compactum

Masses of gray foliage covered with yellow flowers in spring. Good rock plant.

Pkt. 15 cts., ¼oz. 50 cts.



CORNFLOWER ASTER

Stokesia cyanea

Pretty large blue flowers for cutting. Blooms a long time.

Pkt. 15 cts.



SWEET WILLIAM

Dianthus barbatus

Fine old-fashioned fragrant flowers in June and July. Single or Double.

Pkt. 15 cts.



INOCULATE SWEET PEAS
WITH STIMUGERM

See page 34

SPENCER RUFFLED SWEET PEAS. *Sweetest and best for cutting.* Mixed colors, pkt. 15 cts., oz. 25 cts., $\frac{1}{4}$ lb. 75 cts. Separate colors, oz. 30 cts., $\frac{1}{4}$ lb. \$1

GLADIOLUS. *Summer's brightest flowers.* Special mixture, all colors, 60 cts. per doz., \$4 per 100. See page 14 for named varieties



ORNAMENTAL CLIMBERS

AMPELOPSIS

Veitchii. *Japan or Boston Ivy.* A beautiful vine for covering walls and buildings, to which it adheres closely. The leaves color beautifully in autumn. Peren. Oz. 50 cts. . . \$0 10

ARISTOLOCHIA • Dutchman's Pipe

One of the best-known hardy climbers, bearing curious pipe-shaped flowers of yellowish brown color. Large heart-shaped leaves; fine for shading verandas. Perennial.

Elegans. Purple and white flowers. 30 ft. \$0 25
Sipho. Yellowish brown flowers. 30 ft. 15

BALLOON VINE

Rapid grower; flowers white; seed-pods shaped like miniature balloons. Annual. 10 ft. Pkt. 10 cts.

BEANS, RUNNER

Scarlet or White. \$0 10

CLEMATIS • Virgin's Bower

Hybrida grandiflora. Fine for arbors and verandas. Soak seeds 24 hours in warm water before sowing. Perennial. Mixed. 10

CENTROSEMA

Grandiflora. Large, pea-shaped flowers, produced in clusters; rosy violet, with broad, feathered markings of white. Foliage abundant and graceful. A hardy perennial, climbing 6 to 8 feet in a season, free blooming. . . . 10

COBÆA

Scandens. A tender annual of very rapid and luxuriant climbing habit. The deep violet-blue flowers are large and bell-shaped, averaging 2 inches in length and 1½ inches across. 10

DOLICHOS

Lablab. *Hyacinth Bean.* Noted for its large clusters of snowy white or purple flowers. It grows rapidly and makes a fine screen of thick foliage. A tender perennial. Oz. 50 cts. . . 10

ECHINO CYSTIS

Lobata. *Wild Cucumber.* Quickest growing vines; fine for covering waste places and stone walls. Annual. 20 ft. . 10

GOURDS, ORNAMENTAL

Quick-growing tender annual vines, desirable for covering arbors, walls, etc., and producing useful and ornamental fruit in great variety of shapes and colors. 15 to 20 ft. Annual. Oz. 50 cts., pkt. 10 cts.

HUMULUS • Japanese Hop

Annual climbers of very rapid growth, with dense foliage. The leaves remain bright, fresh, and rich-looking until late in the fall.

Japonicus. Leaves plain green. Seed sown in early spring produces plants which will cover a wide spread in a short time. Annual. \$0 10

Japonicus variegatus. Leaves broadly edged with cream color and marked and shaded with silvery white and deep green; often a whole branch and its leaves will be pure white. It is very vigorous and hardy. 10

IPOMCEA • Morning-Glory

This popular climber is so widely grown that it does not require any further introduction. Annuals.

Grandiflora. *Moonflower.* The large pure white flowers of this plant open at night; produced in great abundance, and quite fragrant. Oz. 50 cts. . . \$0 10

IPOMCEA, continued

Heavenly Blue. Foliage very large and heart-shaped; Pkt. flowers 4 to 5 inches across, borne in large clusters; light blue, with yellow throats. ¼oz. 30 cts. . . \$0 10

Imperialis. *Japanese Morning-Glory.* A great improvement over the old-fashioned sorts. Flowers are larger, fringed, some double, and appear in unlimited variety of colors. Foliage is very large and often variegated. 10 ft. Oz. 40 cts. . . 10

Leari. Flowers violet-blue; an elegant greenhouse species. ¼oz. 50 cts. . . 10

Purpurea (*Convolvulus major*). Showy annual climber of easiest culture, in many brilliant colors. 25 feet. Oz. 20 cts. . . 10

Quamoclit. *Cypress Vine.* Delicately cut foliage and small, star-shaped flowers of scarlet or white. Mixed. Oz. 50 cts. . . 10

Setosa. *Brazilian Morning-Glory.* Beautiful rose-colored flowers and huge leaves; remarkably luxuriant in growth. Oz. 50 cts. . . 10

LATHYRUS

Latifolius. *Everlasting Pea.* Hardy perennial climber, growing 6 to 8 feet high when trained on a trellis. Flowers borne in large clusters. Red and White, mixed. ¼oz. 25 cts. . . 10

MAURANDIA

Graceful annual climber for window or conservatory; admirable to hang from vases and to cover stumps and low trellises; blooms very freely. Annual. Pkt. 25 cts.

SMILAX

Used extensively for inside decorations; climbing habit; fine for florists' use. 10 ft. Pkt. 10 cts.

THUNBERGIAS • Black-eyed Susan

Alata. Half-hardy annual climbers. Choice mixed colors: . . \$0 10

NASTURTIUMS • Tropæolum

The gay and picturesque Nasturtiums are almost as popular among climbers as sweet peas. Their rapid and luxuriant growth quickly covers trellises, verandas, fences, or any unsightly object with a beautiful mass of oddly pretty leaves and brilliant flowers.

Finest Mixed. Seed saved from a choice collection of flowers, in many colors; will produce charming results if planted freely in ground that is not too rich. Annual. . . \$0 20

SWEET PEAS

Fashion does not always display so much good taste in her choice of a "pet flower" as when giving the Sweet Pea that place. Already they have become so popular that seedsmen must handle their seeds by the ton, and they are grown galore in hedges, sold in great fragrant heaps from the markets, and worn and carried whenever and wherever possible. Every garden must have its hedge of Sweet Peas, and we are ready to supply you with the best of seed. See color plate facing this page.

GIANT SPENCER

Asta Ohn. Pinkish lavender. **Matchless.** Yellow.
Countess Spencer. Pure pink. **Wedgwood.** Blue.
King Edward Spencer. Pure white, select strain.

Pkt. 15 cts., oz. 30 cts., ¼lb. \$1

Mixed Colors. Pkt. 15 cts., oz. 25 cts., ¼lb. 75 cts.
Eckford Grandiflora Varieties, Mixed. Oz. 10 cts., ¼lb. 30 cts., lb. \$1.

DAHLIAS

These summer and autumn-flowering plants are more popular than ever. They should not be planted until the weather has become warm and settled in spring, and should be taken up before severe frosts in autumn. They require a sunny situation and rich soil to bring out their full beauty. One shoot only should be allowed to each root. Roots should be kept in a warm, dry place during winter.

We have three excellent collections, as follows:

No. 1, Grower's Mixture, 12 Roots for \$1.

No. 2, 12 Roots, all different, for \$2.

No. 3, 12 Roots, no two the same, for \$3.

For those who prefer to make their own selections, we can supply named varieties at attractive prices.

GLADIOLUS

Of summer-blooming plants for general garden decoration, the Gladiolus are deserving of special attention. Requiring but little room for growth, they are exceedingly useful for planting among shrubbery in the border, while for massing in large beds, where a brilliant and effective display is desired, they are invaluable. They succeed best in good loam, enriched with well-rotted manure. Bulbs should be planted about 3 inches deep and 6 inches apart.

Our mixtures are made up from fine varieties and are all selected, first-size bulbs and sure to give the best results. See color facing page 33.

If wanted by mail, add 10 cts. per doz. for postage

America. One of the best Gladiolus in existence. The color is a most beautiful soft pink, very much like the Enchantress carnation. Individual flowers are very large and massive, and as a group or in vases there is no other flower which can excel it in effectiveness. 60 cts. per doz., \$3.50 per 100.

Baron Hulot (Blue King). Good sized flower, well arranged on straight spikes; color dark violet bordering on blue. \$1 per doz., \$7.50 per 100.

Evelyn Kirtland. Color pink—a very lovely, soft shade. Altogether one of the most popular varieties. \$1 per doz., \$7 per 100.

Halley. Delicate salmon-pink predominates with a slight rosy tinge; lower petals have a creamy blotch with a bright red stripe in center. 60 cts. per doz., \$4 per 100.

Herada. Blooms of immense size on tall straight spikes. The color is pure mauve, glistening and clear with deeper markings in throat. An unusual color and very effective as a cut-flower. 75 cts. per doz., \$5 per 100.

Lily White. A beautiful pure white, with lavender anthers; flowers very large; first class in every way. 75 cts. per doz., \$5 per 100.

Mrs. Dr. Norton. Very large flowers well set on a tall and graceful spike with four to eight flowers in bloom at one time. Color, white, with edges of petals suffused with soft La France pink; a very choice variety. \$1 per doz., \$7 per 100.



Gladiolus

Mrs. Frank Pendleton. The color is a delicately flushed salmon-pink, extending to the reverse side of the petal. The blooms are wide open and are arranged individually on very wiry stems. Each flower is doubly enhanced by a rich, maroon blotch on the three lower petals. 75 cts. per doz., \$5 per 100.

Mrs. Francis King. A new variety which excited great comment and admiration, both for size of flower and beauty; the color of the flower is a light scarlet; the flowers are very large, usually measuring from 3½ to 4 inches in diameter. 60 cts. per doz., \$4 per 100.

Schwaben. A most meritorious variety of wonderful vigor, with strong, erect spikes and large, well-expanded flowers of a clear canary-yellow with a small blotch of deep garnet in the throat. This may now be considered the best and freest growing yellow variety. 75 cts. per doz., \$5 per 100.

Peace. Beautiful large pure white, tinted with lilac. 75 cts. per doz., \$5 per 100.

W. E. B. Co.'s Special Mixture. \$4 per 100.

CANNA ROOTS

Charles Henderson. Flowers brilliant crimson, with yellow flame in throat. 3½ ft.

David Harum. Bronze foliage; flowers scarlet, dotted crimson. 3½ ft.

Florence Vaughan. Yellow, with bright red spots. 4½ ft.

Madam Crozy. Brilliant vermilion-scarlet, with golden edge. 3 ft.

Mont Blanc. The only genuine pure white Canna. 3 ft.

Shenandoah. Beautiful rosy pink, borne in large clusters. 3 ft.

Robusta. Scarlet flowers; bronze foliage. 8 ft.

All varieties: 15 cts. each, \$1.50 per doz.

BEGONIA, Tuberous-Rooted

For bedding and as pot-plants, these beautiful flowers are very desirable and popular. They bloom continuously all summer; flowers are very large, outrivalling those of the most brilliant geraniums. The flowers are circular, large, and of great substance; the colors are most beautiful, rich, and varied.

SINGLE-FLOWERING

Rose, Scarlet, White, Yellow, and Orange. 20 cts. each, \$2 per doz.

Finest Mixed. From above sorts. 20 cts. each, \$2 per doz.

DOUBLE-FLOWERING

Red, Rose, White, and Yellow. 20 cts. each, \$2 per doz.

Finest Mixed. From above sorts. 20 cts. each, \$2 per doz.

TUBEROSES

One of the most delightfully fragrant flowers. Invaluable for bouquets, buttonholes, and wherever cut-flowers are in demand. Before potting the bulbs remove the small offsets.

Excelsior, Double Pearl. A superior strain with very large white flowers, produced in great abundance. 60 cts. per doz., \$4 per 100.

FALL BULBS

We carry a complete line of Bulbs for autumn planting—Crocuses, Hyacinths, Narcissus, Tulips, etc.

Best-Grade Vegetable Seeds

FOR FARM, MARKET, AND KITCHEN GARDENS BEST ADAPTED TO THIS CLIMATE

WE ADVOCATE SEMESAN TREATMENT OF ALL VEGETABLE SEEDS. See page 40

ASPARAGUS

This is one of the first and finest spring relishes which come to the table from the garden, and it really requires very little trouble in cultivation, since a bed once properly made and planted will last for years. The soil for the bed can hardly be made too rich, and the fertilizer should be well trenched in to the depth of 2 feet or more. The roots should be planted as early in spring as the ground can be prepared, setting them a foot apart in rows 3 or 4 feet apart, with the crowns from 4 to 6 inches below the surface of the bed. Asparagus seed may be sown directly in the permanent bed and the plants thinned as they grow; or it may be sown elsewhere, and the seedlings transplanted the second year. Fair crops may be expected the third year.

An ounce of seed will sow 50 feet of drill, and produce about 300 plants

Giant Argenteuil. An early, large variety from France. Less likely to rust than others.

Mary Washington. A variety of recent introduction. Very large and free from blight.

Palmetto. One of the earliest; of large and fine growth.

Asparagus Roots

Mary Washington. 2 years old.



Mary Washington Asparagus

INOCULATE THIS SEED WITH
STIMUGERM. See page 34.



Golden Wax Beans

BEANS

DWARF or BUSH

Beans are among our most valuable farinaceous foods, and form a market staple everywhere. The seeds should not be planted before the ground becomes light and warm, in favorable seasons usually about the first of May. Bush Limas should not be planted so early as other sorts, as Limas are particularly sensitive to cold and damp. The soil should be rich and mellow, and the seeds scattered about 3 inches apart in drills from 3 to 3½ feet apart, and covered about 2 inches deep. The plants will need frequent hoeing, but should never be cultivated when the leaves are wet with dew or rain, as this will cause them to rust. Sowings made at intervals of about two weeks until the middle of July will give a supply all season.

One quart of seed will sow 100 feet of drill; 2 bushels will sow an acre

For Beans sent by mail, add postage at rate given in table on second page of cover.

WAX or YELLOW-PODDED BEANS

Golden Wax. A very popular variety. The vines are hardy, productive; pods long, straight, flattish, very fleshy and wax-like; of the best quality. Beans are small, oval, white, shaded purplish red.

Currie's Rustproof Wax. Valuable from the fact that it seems to be "rust-proof," after having been tested with other Beans which rusted badly.

New Round-Pod Kidney Wax. One of the best round-podded Wax Beans.

Davis Kidney Wax. Pods long, between flat and round, clear wax in color; seeds pure white; early as Golden Wax. Flavor and eating qualities excellent. Beans pure white, and excellent for canner's use.

Golden-Eye Wax. Extremely vigorous. Pods clear, creamy white, very long, flat, but fleshy, stringless and of good quality; very free from blight and a heavy cropper. Popular in this vicinity.

Wardwell's Kidney Wax. Early; excellent. Pods creamy yellow, long, broad, flat, brittle and stringless; Beans kidney-shaped, white, shaded with purplish brown; vines productive, strong and upright.

PRICES OF ASPARAGUS

	Pkt.	Oz.	¼lb.	Lb.
Giant Argenteuil.....	\$0 10	\$0 15	\$0 35	\$1 00
Mary Washington.....	10	25	75	2 50
Palmetto.....	10	15	35	1 00
Roots of Asparagus, 2 years old.	\$2 per 100, \$15 per 1000.			

PRICES OF DWARF WAX BEANS

	½pt.	Pt.	Qt.	½pk.
Golden Wax.....	\$0 25	\$0 40	\$0 75	\$2 50
Currie's Rustproof Wax.....	25	40	75	2 50
New Round-Pod Kidney Wax.....	25	40	75	2 50
Davis Kidney Wax.....	25	40	75	2 50
Golden-Eye Wax.....	25	40	75	2 50
Wardwell's Kidney Wax.....	25	40	75	2 50
Pencil Pod Black Wax.....	25	40	75	2 50

GREEN-PODDED BUSH BEANS

French Dwarf Horticultural. This variety, for a Shell Bean, is becoming very popular. It is a heavy cropper; pods long and almost entirely scarlet in color, well filled. Does not blight.

Improved Red Valentine. This strain of Valentine is earlier than any we have ever tested, and more uniform in ripening, with almost entire absence of flat pods.

Black Valentine. One of the best varieties to raise for early market, because of its hardness, earliness, and good cropping quality.

Bountiful. The pods are long, flat, of good quality, and entirely stringless; early and prolific.

Boston Favorite, or Goddard. Large, handsome red pods, tender and fine for use as snaps; seeds very large and of delicious flavor, whether used green or dry. The bushes yield heavy crops.

Burpee's Stringless Green-Pod. Extremely early, hardy and productive, bearing an abundance of handsome stringless green pods of fine quality. A great favorite.

Ruby Dwarf Horticultural. Furnishes green-podded Beans of fine quality; seeds yellowish white, with red splashes; large, oval, plump, easily shelled.

Low's Champion. Very productive, with stringless, large, green, flat pods. Excellent either as a String or Shell Bean.

Longfellow. Pods very long, straight, and round, and of a beautiful pale green color; flavor is delicious; in every respect an ideal Snap Bean.

INOCULATE THIS SEED WITH STIMUGERM

See page 34



Black Valentine Beans

of thick, broad, handsome pods, which are as large and well filled as those of the Pole Limas; as many as 200 pods have been counted on a single plant. Identical in size and flavor with the Pole Limas, having the same rich, buttery taste, and preferred by many to that variety.

Henderson's Bush Lima. Two weeks earlier than the Pole Limas, and the bushes bear long and continuously. Beans of the small Sieva type.

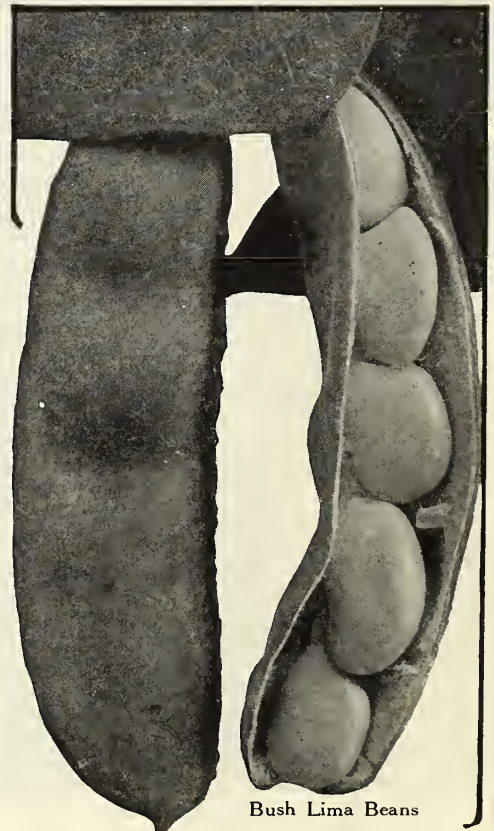
BUSH LIMA BEANS

Fordhook Bush Lima. This new Bush Lima is of uniformly erect bush habit, branching freely, but with all the branches held upright. It bears tremendous crops and sets plump, well-filled pods freely, even in a cool, wet season. Both pods and Beans are twice as large as those of the Dreer Bush Lima.

Burpee's Bush Lima. Immensely popular. The plants come true from seed, and the dwarf habit has become well fixed. They grow into splendid branching, circular bushes, 18 to 20 inches high and 2 to 3 feet across. The strong constitution of the plant is shown in its stout, thick stalks and large, deep green, leathery leaves, as much as in its enormous yield

INOCULATE THIS SEED WITH STIMUGERM

See page 34



Bush Lima Beans

ENGLISH BROAD BEAN

INOCULATE THIS SEED WITH STIMUGERM

See page 34

Broad Windsor. A very hardy, old-fashioned English Shell Bean.

FIELD BEANS

We carry a selected stock of White Kidney, Red Kidney, and Yellow-eye Field Beans at prevailing market prices.

PRICES OF GREEN-PODDED BUSH BEANS

	$\frac{1}{2}$ pt.	Pt.	Qt.	$\frac{1}{2}$ pk.
Improved Red Valentine.....	\$0 25	\$0 45	\$0 75	\$2 50
Black Valentine.....	25	45	75	2 50
Bountiful.....	25	40	75	2 50
Boston Favorite, or Goddard.....	25	40	75	2 50
Burpee's Stringless Green-Pod.....	25	40	75	2 50
French Dwarf Horticultural.....	30	50	85	3 00
Low's Champion.....	25	40	75	2 50
Longfellow.....	25	40	75	2 50
Ruby Dwarf Horticultural.....	25	40	75	2 50

PRICES OF BUSH LIMA BEANS

Fordhook Bush Lima.....	30	50	85	3 00
Burpee's Bush Lima.....	25	45	75	2 50
Henderson's Bush Lima.....	20	35	60	2 00

PRICE OF ENGLISH BROAD BEAN

Broad Windsor.....	25	40	75	2 50
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**INOCULATE THIS
SEED WITH
STIMUGERM**

See page 34

especially tender, and the rule for late outside planting with them is rigid. Painstaking cultivators, usually the most successful, plant them eye downward, setting stout poles for every hill.

A quart of Limas will plant about 100 hills; a quart of the small sorts about 200 hills

Golden Cluster. Productive; early; plump, tender, yellow pods, from 6 to 8 inches long, of fine flavor; remains fit for use a long time; vines bear continuously.

Lazy Wife. Popular and productive; pods green, 4 to 6 inches long, broad, thick, fleshy, and entirely stringless; of rich, tender quality. Each one contains from six to eight plump, round, white Beans, which are excellent for winter use; late in maturing, and one of the best of this type of Beans.

Old Homestead or Improved Kentucky Wonder. Excellent; very productive; pods a silvery green color, large and entirely stringless.

Worcester Pole or Mammoth Carmine Horticultural. Beans and pods much larger than the ordinary Horticultural.

Horticultural or Cranberry. Good as a Shell Bean, either green or dry; Beans large, spotted with red, of good flavor; very productive.

Scarlet Runner. Very ornamental, free climber with bright scarlet flowers.

White Runner. Large, white flowers; often planted with the scarlet variety; the effect is very fine.

**INOCULATE THIS
SEED WITH
STIMUGERM**

See page 34

Extra-Early Sieva. A standard variety. The Beans are buttery in flavor.

POLE LIMA BEANS

King of the Garden. An improvement on the Large Lima, with large Beans and pods and more productive habit. When not too closely planted, the vines set Beans early, and bear until frost; two vines should be allowed to a hill.

THE BEST GARDEN BEETS

Deep rich, sandy loam is best for Beets. For early crop sow in hotbeds, and transplant to open ground as soon as it is warm enough. For main crop, sow outside in drills 18 inches apart, and cover lightly. Sow in July for winter crops.

An ounce of seed will sow 50 feet of drill; 5 to 6 pounds to the acre

Crosby's Improved. Flesh is fine-grained, sweet and tender; color deep, rich red.

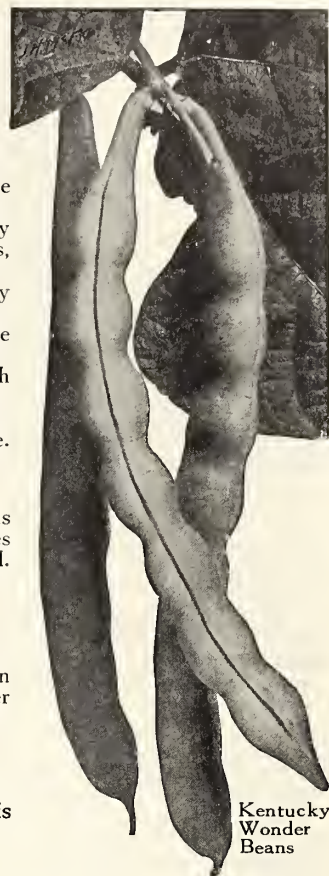
Detroit Dark Red. Splendid shape and color; very crisp, tender, and sweet.

Early Wonder. New, distinct, extra-early, turnip-rooted variety of finest table qualities. Flesh is solid, crisp, and sweet.

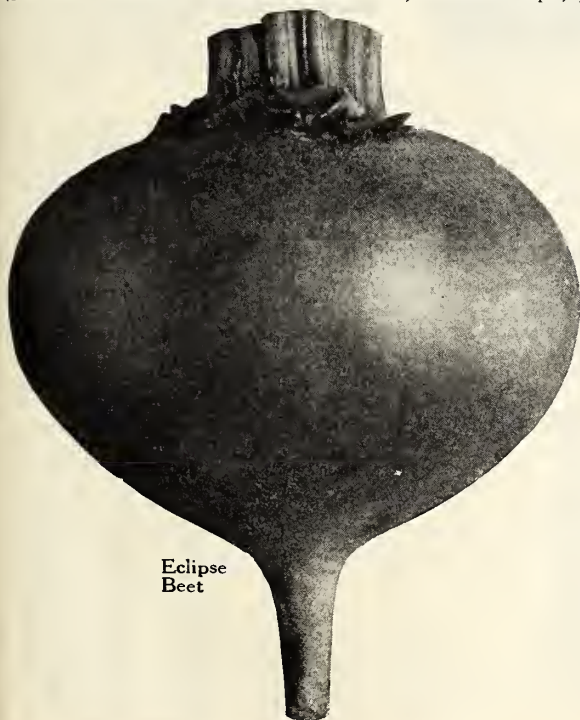
Edmand's Blood Turnip. Round, smooth, and uniform in shape; unusually sweet.

Eclipse. Globe-shaped; deep red, with sweet, fine-grained flesh; remains tender a long time.

SWISS CHARD. Grown for its tender, succulent tops; prepared like spinach.



Kentucky
Wonder
Beans



Eclipse
Beet

PRICES OF POLE BEANS				
	$\frac{1}{2}$ pt.	Pt.	Qt.	$\frac{1}{2}$ pk.
Golden Cluster Wax.....	\$0 25	\$0 40	\$0 75	\$2 50
Lazy Wife.....	25	40	75	2 50
Kentucky Wonder.....	25	40	75	2 50
Kentucky Wonder Wax	25	40	75	2 50
Worcester Pole.....	25	40	75	2 50
Horticultural or Cranberry	25	40	75	2 50
Scarlet Runner.....	25	40	75	2 50
White Runner.....	25	40	75	2 50
PRICES OF POLE LIMA BEANS				
King of the Garden.....	25	40	75	2 50
Extra-Early Sieva.....	25	40	75	2 50
PRICES OF BEETS				
	Pkt.	Oz.	$\frac{1}{4}$ lb.	Lb.
Crosby's Improved.....	\$0 10	\$0 20	\$0 50	\$1 50
Detroit Dark Red.....	10	20	50	1 50
Early Wonder.....	10	20	50	1 50
Edmand's Blood Turnip.....	10	20	50	1 50
Eclipse.....	10	20	50	1 50
PRICE OF SWISS CHARD.....	10	20	50	1 50
PRICES OF BROCCOLI				
	Pkt.	$\frac{1}{2}$ oz.	Oz.	
Calabrese.....	\$0 15	\$0 60	\$1 00	
Purple Cape	10	60	1 00	
White Cape.....	10	60	1 00	
Rape.....	15	60	1 00	

BROCCOLI

Requires the same treatment as cauliflower.

An ounce of seed will produce about 3,000 plants

Calabrese. A sprouting variety. The plant forms a large head which remains green; when the head is cut out, small sprouts develop from the upper side of each leaf branch. Sow in the open ground during the early summer; matures in three months.

Rape. Grown for the delicious greens it produces.

SELECT CABBAGE

Early varieties are grown from seed sown in hotbeds in February or March, only moderate bottom-heat being required. Transplant into other frames, without much, if any, bottom heat, as soon as the plants show the fourth leaf. In April, or as soon as the ground can be easily worked, set out in rows 3 feet apart, and about 1½ feet between the plants. The ground should be thoroughly stirred with cultivator and hoed every week till the plants cover the ground. For a fall crop, sow in the open ground in May, in hills the proper distance apart, using a liberal quantity of manure in the hill, besides that which is plowed in; thin out to one good plant in each hill. In the same way, crops may be grown to lay in for winter use, planting seed as late as July 1. Seeds can also be sown in shallow drills, and, when the plants are large enough, can be transplanted, setting the plants in rows 3 feet apart and 2 feet apart in the row. Succeeds best in deep, rich loam.

Extra-Early Jersey Wakefield. The best early variety of Cabbage. Heads of medium size, pyramidal, pointed, firm and solid, with few outside leaves; they are very uniform in shape, size, and time of maturing, and are of good quality.

Copenhagen Market. The heads are very solid with a small core and of fine quality; average weight, about ten pounds. It matures as early as the Charleston Wakefield, and will give a much heavier yield than that popular variety; the plant is short-stemmed. Leaves are light green and very tightly folded.

Golden Acre. This is a new, early, round-headed Cabbage which closely resembles Copenhagen Market. As its name implies, it is a money maker. Eight to ten days earlier, smaller and can be planted closer.

Large Jersey Wakefield, or Charleston. A selection from Early Wakefield, and ten days later, with heads rounded and twice as large.

Enkhuizen Glory. An excellent early variety that has become very popular with the market gardeners. Heads are medium sized, dark green, solid, and heavy.

All Seasons, or Vandergaw. Noted for its superior quality and delicacy of flavor. Almost as early as Henderson's Early Summer, while the heads are larger and quite thick through; a good variety for early and late crops and a splendid winter keeper.



Large Jersey Wakefield Cabbage

Select Large Late Flat Dutch. An excellent keeping variety; the old standby for main crops. Very large; of fine quality.

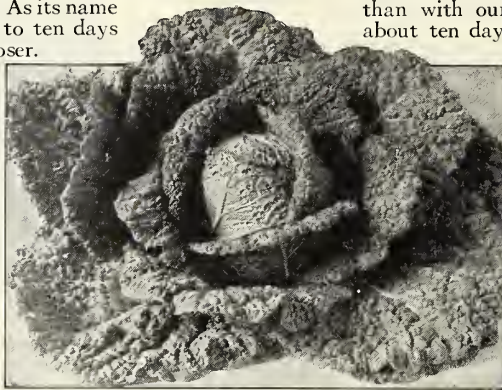
Danish Ballhead. Heads are thick, round, of medium size, and as hard as a rock. The stump averages longer than with our native sorts. For late marketing, plant about ten days earlier than the common Drumhead on land liberally manured.

Ulm Savoy. Much earlier than other varieties of this species; medium-sized head; well-curved leaves.

Improved American Drumhead Savoy. Heads large, solid, with finely curled, close, wrinkled leaves, of cauliflower flavor. A good-keeping, fine winter Cabbage.

Red Dutch. Widely grown for pickling. A good red Cabbage.

Warren's Stonemason. A greatly improved type of Stonemason, being earlier, rounder, and more solid. Will be largely planted when better known.



Improved American Drumhead Savoy Cabbage

Pe-Tsai. This delicious Chinese vegetable belongs to the Cabbage family and closely resembles a well-grown Cos lettuce, but is heavier. We advise that the seed be sown about August 1 (not earlier). Either start in frames and transplant, or simply sow where the plants are to remain in rows, 2½ feet apart, thinning to 1 foot apart in the row. The light green, crumpled-leaved heads are very tender and of a delicious flavor.

BRUSSELS SPROUTS

Species of cabbage, with small, solid, tender heads clustered thickly along the main stem. Properly cooked and seasoned, they are delicious, melting away in the mouth like fine cauliflower. Sow seed in April or May and cultivate like cabbage. Hardy, and the heads are improved by frost.

An ounce of seed will produce 3,000 plants

Dwarf Improved. Plants dwarf, with small, solid, tender heads growing very close together along the stem. Pkt. 10 cts., ½ oz. 20 cts., oz. 35 cts., ¼ lb. \$1.



Pe-Tsai, Chinese Cabbage

PRICES OF CABBAGE

	Pkt.	½ oz.	Oz.	¼ lb.
Extra-Early Jersey Wakefield	\$0 10	\$0 25	\$0 40	\$1 25
Copenhagen Market	10	30	50	1 50
Golden Acre	10	35	60	2 00
Large Jersey Wakefield or Charleston	10	25	40	1 25
Enkhuizen Glory	10	20	35	1 00
All Seasons, or Vandergaw	10	20	35	1 00
Select Large Late Flat Dutch	10	20	35	1 00
Danish Ballhead	10	30	50	1 50
Ulm Savoy	10	25	40	1 25
Improved American Drumhead Savoy	10	25	40	1 25
Red Dutch	10	25	40	1 25
Warren's Stonemason	10	25	40	1 25
Chinese Pe-Tsai	10	25	40	1 25
Chinese Wong Bok	10	25	40	1 25



Early Snowball Cauliflower

PRICES OF CAULIFLOWER

	Pkt.	1/4oz.	1/2oz.	Oz.
Henderson's Early Snowball.....	\$0 25	\$1 00	\$1 75	\$3 00
Danish Giant.....	25	1 00	1 75	3 00

PRICES OF CHICORY

	Pkt.	Oz.	1/4lb.
Large-rooted Magdeburg or Coffee.....	\$0 10	\$0 30	\$0 75
Witloof, or French Endive.....	10	35	1 00

CARROTS

Carrots succeed best on light, sandy loam, which, preferably, should have been well fertilized the previous year, as fresh manure often causes the roots to grow pronged and misshapen. Sow the seed as early in spring as the ground can be prepared, firming the soil down over it. If sown late, it should be soaked in tepid water, then mixed with plaster or sifted coal-ashes, and sown on freshly prepared soil. Quick germination and rapid growth are necessary.

An ounce of seed will sow 100 feet of drill; 4 pounds will sow an acre

Early Scarlet Horn. Best for forcing and early outdoor crops; can be grown in shallow soils, and requires no thinning if sparingly sown, as the roots are used when young for cooking. They are about 3 inches long, and of very good quality.

Feonia. A novelty from Denmark. A cross between the well-known Nantes and Chantenay varieties.

Chantenay. Handsome roots, broad-shouldered and smooth, and more uniform than the Danvers. Of superior flavor.

Improved Long Orange. Extensively grown; hardly equal to Danvers in quality, but good and heavy in yield.

Danvers Half-Long. Enormously productive; adapted to all soils. The roots are smooth, thick and intermediate between Scarlet Horn and Long Orange in form.

Oxheart, or Guerande. Very short, smooth, and thick, and well adapted to shallow soils.

Large White Belgian. For stock-feeding and especially suited to shallow soils. Roots white-fleshed, broad at the shoulder and narrowed abruptly to a point.

CAULIFLOWER

Sow the seeds for early and late Cauliflower crops as directed for cabbage, but do not set the early plants in the field too soon, for if too much stunted by severe frosts, they begin to form heads before they are strong enough to develop them well. Plants which have not headed before winter sets in may be stored in a cool cellar or coldframe, and will form heads there without any further attention. A deep, loamy soil, with a substratum of moisture during dry weather is most suitable for the Cauliflower. Market-gardeners find this one of their most profitable crops, and amateurs who undertake its culture find it easy; but it is a crop in which carelessness or neglect will interfere with the best results.

An ounce of seed will produce about 3,000 plants

Henderson's Early Snowball. This is the earliest and most popular variety in cultivation, and is largely grown everywhere, both for forcing and early crops outside. The plants are dwarf and sure heading; of fine, delicate flavor.

Danish Giant. Finest Danish-grown seed. Almost as early as the Snowball, with larger heads. Very reliable header. A feature of it, the leaves curling over the head, does away with tying to blanch, and gives it the name of Self-protecting Cauliflower. Excellent for market or family use.

CHICORY

The seed should be sown as early as possible in spring, in good, mellow soil; make the drills at least half an inch deep.

Large-rooted Magdeburg, or Coffee. The roots of this variety form the Chicory of commerce. The leaves, when blanched, make an excellent salad.

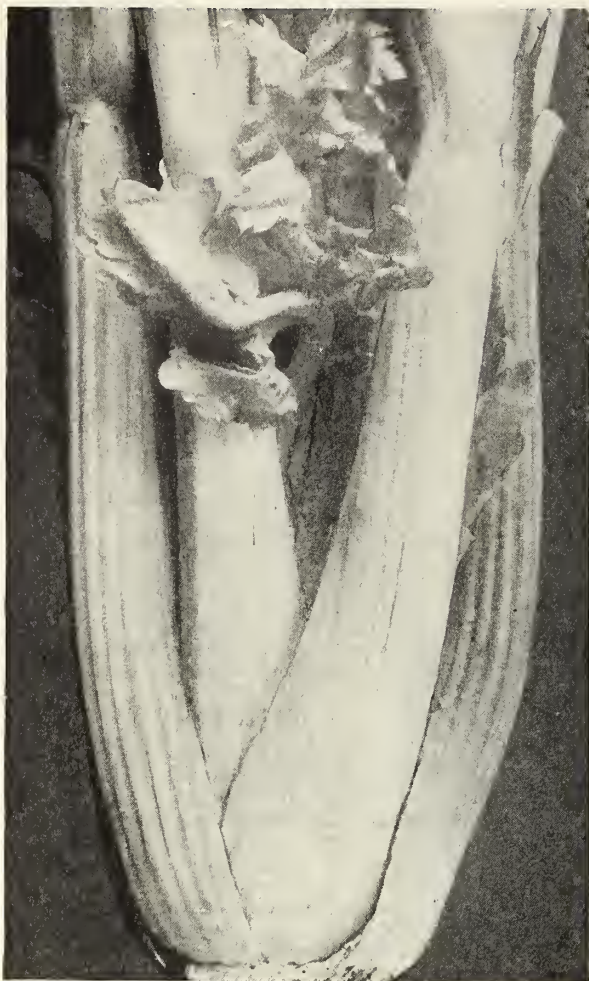
Witloof, or French Endive. Esteemed as a salad plant. Spring-grown seeds produce parsnip-like roots by November. Cut the leaves off 1½ inches from neck, trench 1½ inches apart, cover with soil 8 inches over crown; then place a 2- to 3-foot layer of fresh manure which induces new growth of blanched leaves folded like cos lettuce, which are eaten raw as salad.

CARROTS

	Pkt.	Oz.	1/4lb.	Lb.
Ea. Scarlet Horn.....	\$0 10	\$0 20	\$0 60	\$1 50
Chantenay.....	10	20	60	1 50
Imp. Long Orange.....	10	20	50	1 50
Danvers H.-Long.....	10	20	60	1 50
Oxheart.....	10	20	60	1 50
L. W. Belgian.....	10	15	40	1 00
Feonia.....	10	40	1 00	3 00
Hutchinson.....	10	40	1 50	5 00



Improved Long Orange Carrots



Golden Plume Celery

CRESS

The leaves form spicy spring salads, and are also used for garnishing. Sow thickly in shallow drills in early spring, and at intervals for continual supply, as it soon runs to seed.

Water Cress. Tender, crisp, and spicy when young. Plant of prostrate habit. A perennial aquatic, which grows well in any stream, forming large beds of leaves.

Extra-Curled or Pepper-Grass. Of pleasant, pungent flavor; leaves can be cut several times; grows well in almost any soil.

PRICES OF CELERY

	Pkt.	1/2oz.	Oz.	1/4lb.
Easy Blanching.....	\$0 10	\$0 30	\$0 50	\$1 50
Giant Pascal.....	10	30	50	1 50
Paris Golden.....	10	60	1 00	3 00
Boston Market.....	10	30	50	1 50
Golden Plume.....	10	40	75	2 25

PRICE OF CELERIAC

Prague Giant.....	10	25	40	1 50
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PRICE OF CHIVES.....	10	35	60	
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PRICE OF CARDOON.....	10	30	50	1 50
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PRICE OF CORN SALAD....	10		20	50
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PRICES OF CRESS

Water Cress.....	10	35	60	2 00
Extra-Curled or Pepper-Grass	10		15	40

CELERY SEED

Celery can be grown in any soil, but is finest on deep, mellow bottom land. Seed for early crops should be sown in hotbeds about March 15; if sown too early, the plants are apt to run to seed after being transplanted. The plants may either be thinned to give them room to grow, or transplanted to another bed to grow until it is time to plant them in the open ground. For the main crop, seed should be sown in the open air as soon as the soil and air are warm enough. They should be covered very lightly, or merely pressed into the earth with a board, if the soil is fine and mellow. The seed-bed must be kept free from weeds and well watered in dry weather. When the plants are large enough, transplant them to shallow trenches or furrows from 4 to 6 feet apart, according to the variety grown, setting the plants 6 inches apart in the rows, and pressing the soil firmly around them. They must be well cultivated and kept free from weeds until ready for blanching, which consists in drawing earth up to the stalks at intervals of about two weeks, until all but the tops of the plants are covered. During this process no earth should be allowed to fall into the center of the plant, as this would cause them to rust or decay.

An ounce of seed will produce about 2,000 plants

Golden Plume Celery. A new early Celery of great merit. Large, robust stalks, easily blanched, blight-proof, and of that crispness and nutty flavor so much desired. We consider this and our strain of Originator's Golden Self-blanching, the two finest Golden Celeries in cultivation.

Easy Blanching. This will mature just after the Golden Self-blanching has been harvested. The general color is pale green, with a slight yellowish tinge, which gives it a blanched appearance. The inner stalk, at a very early stage of growth, blanches to a rich golden yellow, so that the usual banking work is eliminated. If stored properly, this variety will keep in good condition all winter without difficulty.

Giant Pascal. The stalks are remarkably broad and thick, and about 2 feet high, yet blanch quickly with but slight banking. Their rich, nutty flavor is entirely free from any bitter taste, and they are tender, crisp, and stringless. A valuable sort for both early and late use.

Paris Golden. Self-blanching. Has stalks of beautiful golden yellow, equal in quality to those of any variety grown. Plants semi-dwarf and vigorous, with large, ribbed and rounded stalks, which are quite crisp and tender. Distinguished, when quite small, by the distinct yellowish green of its leaves. One of the best and handsomest of Celeries in our collection.

Boston Market. The dwarf, branching variety grown so extensively about Boston. It is unequaled by any other sort, being solid, crisp, and of excellent flavor. Its compact, dwarf habit allows closer planting and requires less earthing up than taller sorts. Especially desirable as a market variety but also good for the home garden

CELERY TAPE. For bunching Celery and other vegetables.

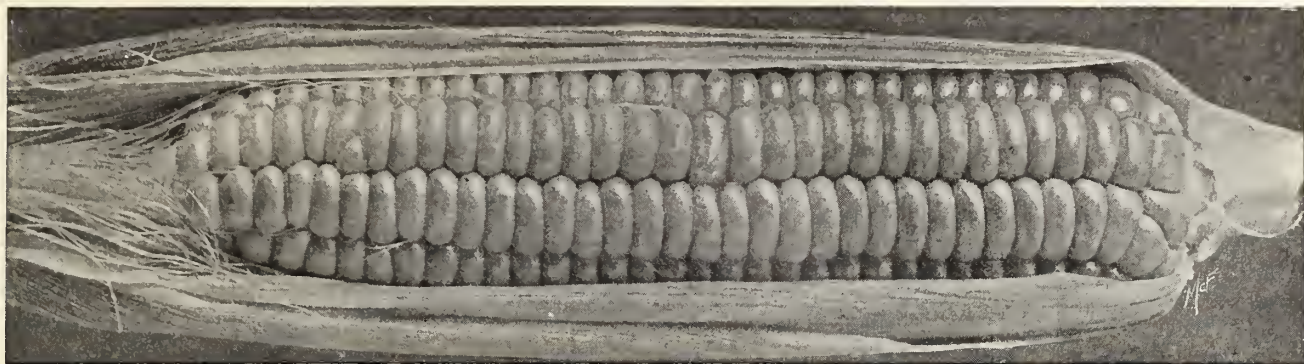
Price for 1,000-yard spool, \$2.25.

CELERIAC or TURNIP-ROOTED CELERY

The seed should be sown in early spring, in light, rich soil; the seedlings transplanted in May, and watered freely in dry weather. They will be ready for cooking in October and may be preserved for use during winter in dry sand. Celeriac is said to be as fine a nerve tonic as celery, and can be grown in many sections where celery culture is practically impossible. The roots have almost the same flavor as the crispest white celery stalks, and do not require half so much care in banking, while they keep perfectly with no more care than a crop of turnips—much longer than celery stalks can be kept in good condition.

An ounce of seed will produce about 5,000 plants

Prague Giant. The roots of this variety are very large and smooth, with no side roots, and sell better in market than those of almost any other sort offered. When young, they are quite tender and marrow-like, having a very fine flavor and cooking quickly.



Golden Bantam Sweet Corn

CORN, Sweet or Sugar

It is our opinion, after several years of testing side by side, that eastern-grown Sweet Corn is far superior to western in sweetness, and also retains this necessary quality for a much longer time. This is also the opinion of many of our local market-gardeners. *Our entire stock for this season we guarantee to be New England-grown.* This delicious vegetable may be enjoyed from early summer until frost if proper varieties are selected and planted for succession every two weeks from May until the middle of July. If the seed is planted too early, before the ground becomes warm, it is liable to decay. Plant in hills 3 to 4 feet apart each way, five or six kernels to a hill, or in rows 4 to 5 feet apart, scattering the seed thinly in the rows. The taller-growing the variety, the richer should be the soil and the wider the space allowed for development.

On Corn, if to be sent by mail, add postage at the rate given in table on second page of cover

EARLY VARIETIES

Early Dighton. This is one of the earliest white Sugar Corns known. Similar to but fully five days earlier than Red Cory. A valuable acquisition for northern states where the season is short.

Golden Sunshine. Ten days earlier than Golden Bantam, but has all its good qualities.

Golden Bantam. Stalks about 4 feet high; ears about 6 inches long; grains rich creamy color, and is actually the finest flavored of all Sweet Corn; very early.

Whipple's Yellow. Stalks short; ears set quite low, of fair size, and well filled with large grains of fine quality and flavor.

Early Mayflower. One of the earliest; uniform as to type and productiveness; ears large, evenly and compactly filled with tender, white kernels of very fine quality for a first-early.

Howling Mob. For second-early crop. Large, well-filled ears, and a sure seller.

SECOND EARLY AND GENERAL CROP

Golden Giant. Ears about double the size of Golden Bantam; about ten days later; quality fine, without the mealy taste of most yellow Corns.

Early Crosby. Ears good-sized, 12-rowed, filled with thick, sweet grains; but little later than Perry's Hybrid. Productive, vigorous, and hardy.

Squantum Sweet. Best for table use. Our stock is pure, being grown by us from selected ears.

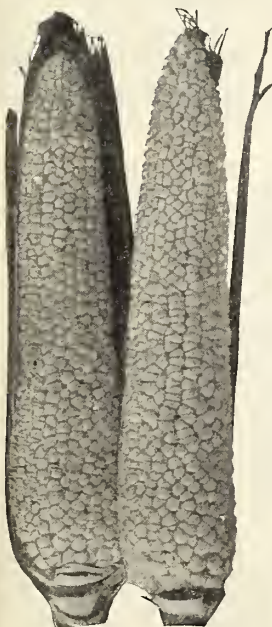
Country Gentleman. Ears of good size and well filled to the tips with deep, tender, white grains of delicious quality; cobs small; stalks productive, averaging three ears each.

Stowell's Evergreen. Ears large, with deep, tender, sugary grains and remain fit for use longer after maturity than any other Sweet Corn. Productive and hardy; adaptable as an early or a late sort; fine for private garden, market, and canning.

Bearsfoot. A late variety of extraordinary sweetness; large ears; very desirable for market.



Stowell's Evergreen Corn



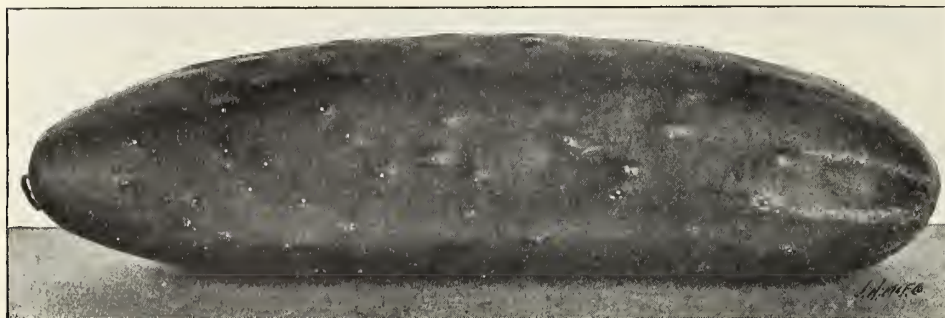
Country Gentleman Corn

PRICES OF EARLY SWEET CORN

	$\frac{1}{2}$ pt.	Pt.	Qt.	$\frac{1}{2}$ pk.
Early Dighton	\$0 20	\$0 30	\$0 50	\$1 50
Golden Sunshine	20	30	50	1 50
Golden Bantam	20	30	50	1 50
Bantam Evergreen	20	30	50	1 50
Orange Sweet	20	30	50	1 50
Early Mayflower	20	30	50	1 50
Howling Mob	20	30	50	1 50
Whipple's Yellow	20	30	50	1 50

SECOND EARLY

	$\frac{1}{2}$ pt.	Pt.	Qt.	$\frac{1}{2}$ pk.
Golden Giant	\$0 20	\$0 30	\$0 50	\$1 50
Early Crosby	20	30	50	1 50
Squantum Sweet	20	30	50	1 50
Country Gentleman	20	30	50	1 50
Stowell's Evergreen	20	30	50	1 50
Bearsfoot	25	40	75	2 50
Black Mexican	25	30	50	1 50



Barrett's Improved Long Green Cucumber

two weeks until midsummer. Extra-early crops may be grown by planting the seed in hotbeds in April, upon pieces of sod turned upside down, and removing these to hills in the open ground as soon as the weather is warm enough. For pickles, sow the seed from the middle of June until the middle of July. The vines bear longer if the fruits are gathered as soon as they are large enough; their strength is soon exhausted by ripening fruit.

An ounce of seed will plant 50 hills; 2 pounds will plant an acre

Barrett's Hothouse. The finest strain of Cucumber for forcing.

Boston Pickling. Very popular for pickles; fruit smooth and symmetrical, but slightly pointed at the ends; bright green.

Fordhook White Spine. Early, productive, and suitable either for forcing or outdoor crops. Fruit of medium size, good shape, light green, with a few white spines on the surface.

Cumberland. The best pickling sort yet introduced; very handsome and productive; flesh firm but very crisp and tender at all stages of growth; straight and symmetrical.

Improved Long Green. The leading long-growing sort, and excellent for pickles. The fruits are dark green, long, well-shaped, firm, and crisp.

Everbearing. The vines produce fruit until frost; early and productive. Fruits are small, well shaped, and of good quality for pickling.

Early Cluster. Produced in clusters, and abundantly; short, dark green, firm, crisp, and tender.

Davis Perfect. After several years' trial, we give the introducer credit for all he claims for it.

Japanese Climbing. Vigorous, tall-climbing, and elings tightly to trellises. Fruits almost straight, large, and from 12 to 16 inches long; skin dark green; flesh thick and delicately flavored.

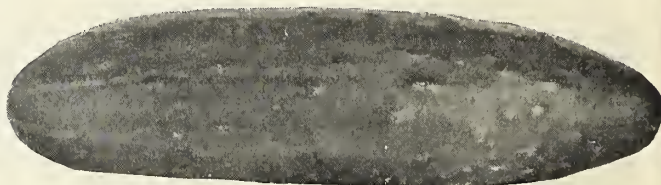
West India Gherkin. Its small, rough, prickly fruits are used for pickling. The vines grow quite rapidly and bear heavily.

English Frame, Best Varieties: Sion House and Telegraph.

CUCUMBER

All the Best Sorts for Salads and Pickling

For general crop, the seed cannot be planted in the open ground before the weather has become warm and settled and the ground mellow and light. Plant the seed in well-enriched hills, about 4 feet apart each way, and as soon as all danger from insects is over, thin the plants to leave four of the strongest in each hill. For succession, sow at intervals of every



Fordhook White Spine Cucumber

PRICES OF CUCUMBERS

	Pkt.	Oz.	1/4 lb.	Lb.
Barrett's Hothouse	\$0 15	\$0 60	\$2 00	\$7 00
Boston Pickling	10	20	50	1 50
Fordhook White Spine	10	20	50	1 50
Cumberland	10	20	50	1 75
Improved Long Green	10	20	50	1 75
Everbearing	10	20	50	1 75
Early Cluster	10	20	50	1 50
Davis Perfect	10	20	65	2 00
Japanese Climbing	10	20	60	2 00
West India Gherkin	10	25	75	
Telegraph	25			

PRICE OF DANDELION

	Pkt.	1/2 oz.	Oz.	1/4 lb.
Improved American Thick-leaved	\$0 10	\$0 60	\$1 00	\$3 00

PRICES OF EGGPLANT

	Pkt.	1/2 oz.	Oz.	1/4 lb.
Black Beauty	10	30	50	1 75
Improved Long Purple	10	30	50	1 75

DANDELION

Furnishes an early and most healthy crop of spring greens. Sow early in rich soil, in rows about a foot apart; cover them only 1/4 inch deep and firm soil down. Thin to 10 inches apart in the rows, that the roots may grow large and solid. Time required for maturity, one year.

An ounce of seed will sow 100 feet of drill; a pound will sow an acre

Improved American Thick-leaved. The best variety.

THE BEST EGGPLANT

Sow the seed in hotbed early in March, transplant to small pots, and plunge them in the same beds; this is to make them strong and stocky. They should not be planted out in rows until May or June, when the weather becomes warm and settled, as cool nights and wet weather will check their growth. Set the plants in rows 3 feet apart each way, and give them a thorough cultivation, drawing the earth up to the stems when they are about a foot high; it is well to keep some plants in the hotbed for replanting. Repeated sowings are sometimes necessary, as the seed does not germinate freely without strong and uniform heat. In cutting the fruit, be careful not to injure the plants.

An ounce of seed will produce 1,000 plants

Black Beauty. The leading market variety, strong and productive in habit. The fruits are deep purple, large and smooth, entirely free from thorns, and the flesh is white, tender, and delicately flavored. The plant is robust and a good yielder on all rich soils.

Improved Long Purple. An early, hardy, and prolific variety with fruits of excellent quality, 6 to 10 inches in length and 2 to 3 inches in diameter. It is a rich dark purple in color.



Black Beauty Eggplant

ENDIVE (The Winter Salad)

This is an important fall and winter salad. For early crop, the seed should be sown in April, in drills 15 inches apart, and the seedlings thinned to stand a foot apart in the rows. Sowings for the main crop can be made in June and July, as the vegetable is used principally in fall and winter. The inner leaves may be blanched to a beautiful yellowish white in from three to five weeks by tying the tips of the outer ones together, or by laying boards over the plants.

An ounce of seed will sow 100 feet of drill

Green Curled. The one most generally cultivated. Dark green leaves, beautifully curled, and, when blanched, very crisp and tender; they are ready for use a little earlier than the other sorts.

Broad-leaved Batavian. The broad, thick leaves make excellent salads when blanched. The plant is very hardy, and yields heavier crops than other sorts, but does not blanch so easily.

KALE, or BORECOLE

Under this name are classed several species of the cabbage family which do not form heads. Some of them have very tender leaves of delicate flavor, and

all are quite hardy, being improved rather than injured by frost. Sow the seed in beds in April or May and transplant and cultivate the seedlings like cabbage. They grow in almost any soil.

An ounce of seed will sow about 200 feet of drill

Tall German Greens (Siberian Kale). A standby everywhere for winter greens

The seed is generally sown broadcast, but can be sown in drills a foot apart in September, and the plants treated like spinach; they will be ready for use early in the spring.

Dwarf Curled Green Scotch. A dwarf, spreading variety, seldom exceeding a foot in height, but rounding out to a diameter of 2 feet under good cultivation. The leaves are bright green, tender, and elegantly curled. The variety is very hardy and one of the best grown. Two weeks later than the preceding sort, but stands longer before going to seed.

KOHLRABI

This Turnip-rooted Cabbage is very palatable when prepared for the table like turnips, and when fed to cows gives no unpleasant flavor to the milk. If the weather is favorable, the seed should be sown in April, in rows 1½ feet apart, and the seedlings thinned to stand a foot apart for large varieties, and 6 to 8 inches apart for other sorts; they are somewhat difficult to transplant. The stems swell into large bulbs just above the ground, and these are fit for use when 3 to 4 inches in diameter. For late crops, sow in June or July.

An ounce of seed will produce about 3,000 plants

Early White Vienna. The best and earliest market sort. The plants grow rapidly, have small foliage, and mature their fine, round, white bulbs quite early; flesh fine-grained, white, tender, and good; tops quite short.

Early Purple Vienna. This variety differs from the above mainly in the color of its roots, which are bluish purple; in quality they are superior to those of many other sorts.

LEEK

The Leek is generally considered superior to the onion in flavor, and is much used for seasoning soups and boiling with meats. The plants are easily cultivated and very hardy, enduring the severest winter weather without protection. The seed should be sown in hotbeds in early spring, and the seedlings transplanted later to the open ground, 8 inches apart, in rows from 12 to 15 inches apart. For a winter supply of this, sow seed in the open ground in early spring and thin the seedlings until they have room for development, or transplant them as above; the former method gives larger stalks some time earlier than when the roots are transplanted. They should be stored like celery for winter.

An ounce of seed will sow about 100 feet of drill

Musselburg. Hardy; popular; broad, spreading leaves; very large stalks.

London Flag. The variety most extensively cultivated. The stalks are large and the leaves grow from their sides, as in the flag.

PRICES OF KALE	Pkt.	½oz.	Oz.	¼lb.
Tall Ger. Greens	\$0 10	\$0 15	\$0 20	\$0 60
Dwf. Curled Green				
Scotch.	10	15	20	60
Blue Scotch.	10	15	20	60

PRICES OF ENDIVE			
Green Curled.	10	15	25
Broad Batavian.	10	15	25

PRICES OF KOHLRABI	Pkt.	½oz.	Oz.	¼lb.
Early White				
Vienna.	\$0 10	\$0 20	\$0 35	\$1 00
Ea. Pur. Vienna.	10	20	35	1 00

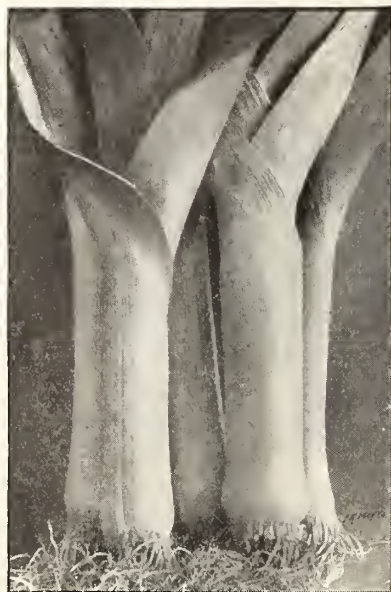
PRICES OF LEEK			
Musselburg.	10	20	35
London Flag.	10	20	35



Broad-leaved Batavian Endive



Early White Vienna Kohlrabi



London Flag Leeks



May King Lettuce

summer months. Drought and hot weather are its worst enemies, as during such periods it inclines to run up to seed. Seed may be sown in a frame in February or March, not much bottom heat being required. The plants may be set out as early as the ground can be worked, as light frosts will not injure them. Set in rows about $1\frac{1}{2}$ feet apart, leaving 8 to 10 inches space between the plants. For successive crops, sow every two weeks up to July.

One ounce of seed will produce 3,000 plants

Hothouse Lettuce. This is especially adapted for growing in the greenhouse or hotbed. Forms very large heads, not liable to rot in the heart, making it a most valuable sort for the market-gardener. A favorite in the Boston and New York markets. The largest plain-leaf Lettuce.

Tomhannock (Crisp-as-Ice). Leaves almost white, crisp, and tender; edges of the outer leaves reddish bronze; very handsome.

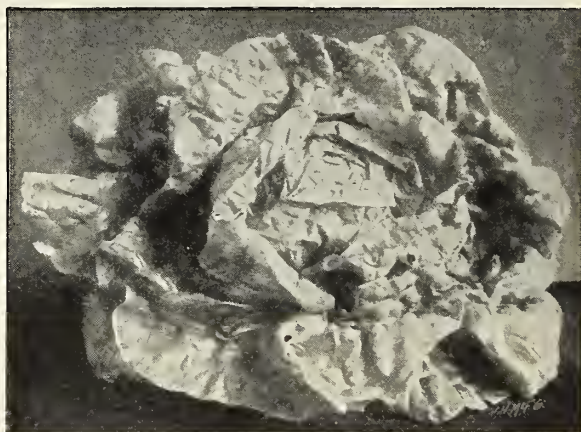
Salamander. A valuable outdoor Lettuce. Of large size, solid, good color; stands well during the hot summer months.

May King. A recent variety of great value on account of its extreme earliness, large size, and tenderness. Will head with heat as well as outdoors, though it attains a better size with open-air culture. Has a globular-shaped head of enormous size, hard and well closed. A decided acquisition for the market and home-gardener, and bids fair to be one of our most popular sorts.

Black-seeded Tennisball. This variety is the most popular for outdoor culture. It forms a handsome, compact head, with very few outside leaves, and is crisp and tender.

Boston Market (White-seeded Tennisball). Grown extensively under glass, by market-gardeners for winter use; very compact head.

Big Boston. Similar to the Boston Market, with heads twice as large and a week later in maturing. The solid, large heads make them of great value for general crop.



Big Boston Lettuce

Hanson. Vigorous; forms immense heads; leaves green, light yellow within; sweet, crisp. One of the best for market- or home-gardens and is growing in popularity year after year.

Iceberg. Large, solid heads, very handsome, tender and crisp.

Curled Siles'a. Very early and tender.

White Paris Cos. A sort with long, narrow, upright leaves; does not head, but when tied up blanches very nicely; bears close planting. A splendid sort for summer use.

Wonderful (New York). A variety considerably larger than Iceberg and about ten days later. The outer leaves are a distinct dark green compared to Iceberg.

FINOCCHIO or FLORENCE FENNEL

A delicious Italian vegetable which tastes quite like Celery, but is a little sweeter and more delicate in flavor. The enlarged leaf-bases are usually boiled in preparation for the table.



Fennel

MUSTARD

White London. A variety with small, smooth, dark green leaves, which are greatly relished as salads, or when cooked like spinach. The seed should be sown in shallow drills as early as the ground can be prepared in spring.

LETTUCE PRICES					Pkt.	Oz.	1/4lb.	Lb.
Hothouse	\$0	10	\$0	60	\$2	00		
Tomhannock		10		25	75	\$2	00	
Salamander		10		25	75	2	00	
May King		10		25	75	2	00	
Black-seeded Tennisball		10		25	75	2	00	
Boston Market		10		25	75	2	00	
Black-seeded Simpson		10		25	75	2	00	
Big Boston	\$0	10	\$0	25	\$0	75	\$2	00
Iceberg		10		25	75	2	50	
Hanson		10		25	75	2	00	
Curled Silesia		10		25	75	2	00	
White Paris Cos		10		25	75	2	00	
Wonderful		10		35	1	00	2	50
PRICE OF FINOCCHIO, or Florence Fennel					10	35	1	00 3 00
PRICE OF MUSTARD, White London					10	15	25	75

MUSKMELONS

Muskmelon seed should not be planted outdoors until all danger of frost is over and the ground has become warm and dry. The hills should be about 6 feet apart and carefully prepared. Rich earth is far better for the young plants than manure, but if the latter must be used, see that it is well rotted. Plant from six to twelve seeds in a hill, and when the young seedlings are strong enough to resist the attacks of insects, thin them, leaving three of the strongest in each hill. The vines should have clean cultivation until they cover the ground, and if they grow too rank, the tips of the shoots should be pinched off, causing them to set more and larger fruits.

An ounce of seed will plant about 80 hills

Lake Champlain. An early-maturing variety having few seeds and a very small seed cavity. Considered by market-gardeners as one of the most desirable kinds for critical markets. Nicely netted, medium-sized fruit with flesh of a beautiful golden yellow.

Emerald Gem. Early, with small, smooth-ribbed, dark green fruits; flesh thick and salmon-colored, granular, sweet and rich; very delicious and satisfying to the taste; the vines bear heavily.

Miller's Cream or Osage. Fine, attractive fruits which sell quickly in market, and therefore a favorite among the truckers. The fruits are large and round, with light green, netted skin; thick, sweet, salmon-colored flesh.

Honey Dew. The Honey Dew averages 9 inches long and 7 inches wide. Greenish white until dead ripe, then pale yellow; of excellent flavor. Our season is hardly long enough to mature it unless started under glass.

Bender's Surprise. Large, oval shaped, coarsely netted fruit. Flesh of a deep orange color and very thick. A good keeper and shipper.



Emerald Gem Muskmelon

OKRA

The tender, young pods are used for seasoning soups and stews. Sow the seed thickly in rich soil, about the middle of May, in drills 3 feet apart, and cover the seeds an inch deep. Thin the young plants to stand 10 inches apart, hoe them often and earth up the stems a little in cultivation, for support.

An ounce of seed will plant 100 hills

Improved Dwarf. Grows about 14 inches high; produces twice as many pods as taller sorts. Pods smooth, tender, well-flavored.

White Velvet. Pods pure white, round and smooth, with no square edges or disagreeable prickles; also larger than in most sorts.

PRICES OF MUSKMELONS

	Pkt.	Oz.	1/4 lb.	Lb.
Extra-Early Hackensack.....	\$0 10	\$0 15	\$0 50	\$1 50
Lake Champlain.....	10	15	50	1 50
Emerald Gem.....	10	15	50	1 50
Miller's Cream or Osage.....	10	15	50	1 50
Honey Dew.....	10	30	1 00	3 00
Bender's Surprise.....	10	20	60	2 00
Arlington Nutmeg.....	10	15	50	1 50
Long Island Beauty.....	10	15	50	1 50
Rocky Ford.....	10	15	50	1 50

PRICES OF OKRA

Improved Dwarf.....	10	15	25	75
White Velvet.....	10	15	25	75

PRICE OF PURE-SPORE CULTURE MUSHROOM SPAWN

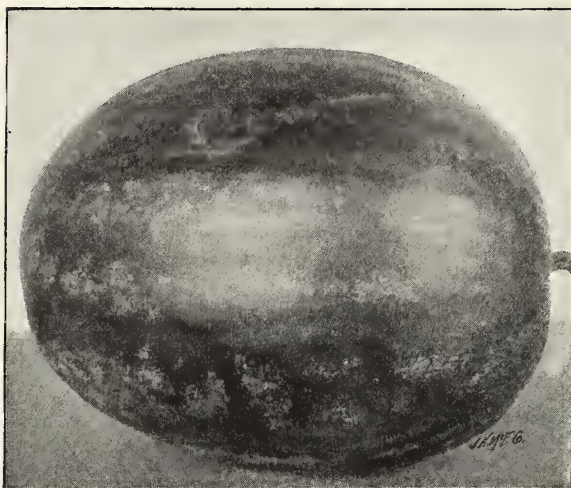
Carton.....	\$1 00
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Mushroom Spawn

PURE-SPORE CULTURE MUSHROOM SPAWN

The growing of Mushrooms is rapidly increasing, and the demand for them has reached immense proportions. A fine crop of Mushrooms can be secured with very little labor or expense, provided a suitable location can be obtained. Cellars, greenhouses, and sheds can be used for their culture. We are now offering our customers Spawn that is made in quart milk jars under absolutely sterile conditions. The bottle and materials are sterilized under steam pressure of twelve pounds, so that every mould, weed seed, or insect is destroyed, and each bottle contains nothing but the pure Spawn. Every particle is full run, covered with Spawn grown direct from the spores. One carton of the Spawn equals five bricks of ordinary Spawn and is sufficient to spawn about 40 square feet. The sterile Spawn is dried thoroughly and each piece wrapped in tissue paper, which contains full instructions, not only as to how the Spawn should be used, but full particulars about growing Mushrooms. Anyone can order Spawn and with it get the necessary knowledge to make growing entirely successful.



Sweetheart Watermelon

PARSLEY

The leaves of most sorts of Parsley are beautifully curled, and useful for garnishing as well as flavoring.

An ounce of seed will sow about 150 feet of drill

Champion Moss Curled. Leaves bright green, finely cut, and beautifully curled.

Plain Leaf. Leaves are longer and darker green than the curled varieties; very hardy.

ONION SEED

Good Onion Seed is the Foundation for a Good Crop

The Onion has been cultivated as an article of food from the earliest times, and is now perhaps more universally grown than any other vegetable. A good crop is impossible unless the soil is very rich and kept clean. Use well-rotted manure freely, and get the crop in as soon as possible in the spring, no matter if the weather is cold and unpleasant. Sow in drills 1 foot apart and cover about one-third of an inch, treading or rolling after sowing, so that the hot, dry atmosphere may not dry up and destroy the sprouting seed. When 3 inches high, thin to 2 inches apart. Stir the ground freely without disturbing the young plants and keep free from weeds.

One ounce to 100 feet of drill; 4 to 5 pounds per acre

Yellow Globe Danvers. Buxton type, selected, home-grown stock. Early; globe-shaped, with very small neck; large; good keeper. The best for general crop.

Red Wethersfield. One of the most productive and long-keeping. Bulbs deep purplish red, large, flat, strong-flavored, and grow to a large size the first year from seed.

Southport Red Globe. This is a favorite with all who grow Red Onions. It grows to fair size, with very small neck, and bright red in color. We offer a fine stock.

Southport White Globe. A large, showy, globular white Onion, which sells quickly in market. The bulbs grow quite rapidly and, if the seed is sown early, good-sized roots, suitable for pulling and marketing in a green state, are soon formed. They are mild-flavored, keep well, and the yield is good.

White Portugal or Silverskin. Largely grown for white Onion sets. Bulbs large, fine in appearance, with silvery white skin and sweet, tender white flesh. They do not keep well, but are mild-flavored and excellent for family use and for pickling.

Spanish King or Prizetaker. Bulbs very large, round, and handsome; rich yellow skin; mild, sweet, pure white flesh; quite free from stiff necks. Bottom well and yield enormously. A very desirable sort.

Ailsa Craig. Largest of all Onions. Globe-shaped; straw-yellow. Start in hotbed and transplant outside, 4 to 6 inches apart.

ONION SETS

These are small Onions grown the previous year, ripened off, and taken up when mere bulbets. They produce a very early and profitable crop, and grow in any good soil. Set them in rows 1 foot apart and 3 inches apart in the rows.

Red, White, Yellow, and Ebenezer Sets, for spring planting.

Top Onion Sets for fall. Market price; price variable.

WATERMELONS

An effort should be made to secure good, strong vines early in the season, and this can be done by taking care that the hills are large, mellow, and well-drained, with the manure placed so that they will not dry out quickly under hot suns. All possible protection from insects should be given the young plants, and their growth may be hastened still further by frequent applications of liquid manure. Plant the seeds thickly and thin the plants to four of the strongest in each hill.

An ounce of seed will plant about 60 hills

Cole's Early. A fine early Watermelon; can be grown over a large latitude; flesh bright red; fruit nearly round; rind thin.

Sweetheart. Large and nearly globular; skin bright, mottled green; flesh bright red, firm and heavy, crisp, melting, and exceedingly sweet. A good shipper and keeper.

Halbert Honey. Long, blunt-ended, very large fruits with thin, dark green rind. Very prolific.

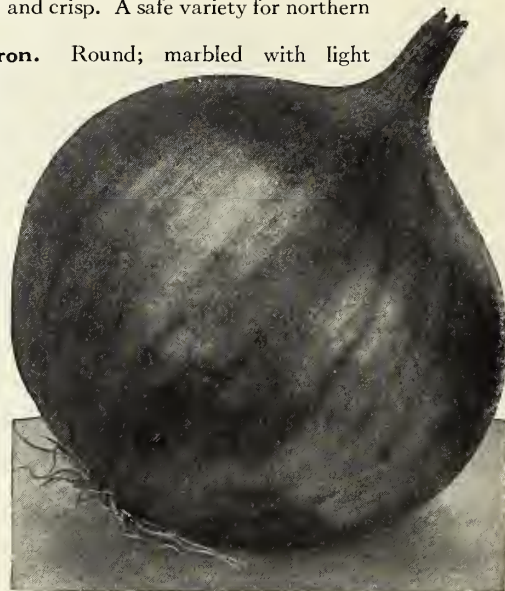
Ice Cream. An early-season, delicious home market melon. It has too thin a rind for shipping. Few, if any, melons surpass this for quality and productiveness. Flesh bright scarlet, solid to center, melting and delicious.

Kleckley Sweets. This sweetest of all melons has now become exceedingly popular. Luscious flavor; fine-grained, tender meat; large.

Cuban Queen. Round; large; flesh bright red, very crisp, delicate, and sweet. An early and reliable sort.

Mountain Sweet. Form rather long; color dark green; seeds dark; very solid, sweet, and crisp. A safe variety for northern growing.

Red-seeded Citron. Round; marbled with light green; the flesh is white and solid; seeds red.



Southport Yellow Globe Onion

PRICES OF WATERMELONS

	Pkt.	Oz.	1/4 lb.	Lb.
Cole's Early	\$0 10	\$0 15	\$0 40	\$1 00
Sweetheart	10	15	40	1 00
Halbert Honey	10	15	40	1 00
Ice Cream	10	15	40	1 00
Kleckley Sweets	10	15	40	1 00
Cuban Queen	10	15	40	1 00
Mountain Sweet	10	15	40	1 00
Red-seeded Citron	10	15	40	1 00

PRICES OF ONION SEED

Yel. Globe Danvers	10	30	1 00	3 00
Red Wethersfield	10	30	1 00	3 00
Southport Red Globe	10	30	1 00	3 00
Southport White Globe	10	40	1 25	4 00
White Portugal	10	40	1 25	4 00
Spanish King	10	30	1 00	3 00
Ailsa Craig	10	50	1 50	4 00

PRICES OF PARSLEY

Champion Moss Curled	10	20	50	1 50
Plain Leaf	10	20	50	1 50

GARDEN PEAS

All smooth-seeded Peas may be planted as early in spring as the soil can be prepared for them. They are very hardy and will endure a low temperature, both before and after sprouting. By sowing for the first crop as early as is practicable, and for succession at intervals of about two weeks until the first of June, a good supply of this delicious vegetable may be enjoyed through the greater part of the summer. Late sowings, however, do not yield so well as early ones, because the hot and dry weather is unfavorable to the development of the plants. The seeds should be sown in drills about 3 inches deep and from 3 to 4 feet apart, according to the variety, taller sorts requiring more room than the dwarf ones. Dwarf Peas require a very rich soil, while tall ones thrive best in rather thin ground, which does not stimulate too luxuriant growth in the vines, to the detriment of the pods. The latter are frequently sown in double rows, with brush or support of some kind between them. Wrinkled Peas are not so hardy as the smooth sorts, and should not be sown so early, but are superior to them.

One quart of seed will plant about 125 feet of drill

If to be sent by mail add postage at the rate given in table on 2d page of cover

EXTRA-EARLY PEAS

Medium and Dwarf Sorts

A star (*) indicates a wrinkled variety

The W. E. B. Co.'s Maud S. A favorite with the market-gardeners on account of its earliness, extreme productiveness, vigor, and vitality, often resisting a drought and maturing a crop when ordinary sorts of earlies have failed. 2 feet.

Alaska. One of the earliest in cultivation; about 75 per cent of the pods can be gathered at the first picking. Vines are very thrifty, growing about 2 feet high; pods small, but well filled with plump, excellent dark green Peas.

***Pioneer.** Introduced by a noted English grower. The plant is unusually robust in habit, carries a heavy crop of long, pointed pods of a dark green color. So numerous are the pods that the plants present a most striking appearance. One gardener stated that he planted April 1 and the first pods were harvested June 16, beating Gradus by a fortnight. Height about 2 feet.

***Little Marvel.** This is a Pea of extra value. It grows about 15 inches high with pods very dark green, well filled with five to seven Peas of excellent flavor; very productive; quite early. We recommend it for either the family garden or for market.

Hundredfold. This is, without doubt, the very best dwarf Pea ever grown. We have found none so near perfection as Hundredfold. It is the best-flavored and the largest-podded dwarf-growing sort in existence, ready about three days after the earliest, and bears an enormous crop of handsome, intensely dark green, fairly broad and pointed pods, 4 inches long, containing about eight large, dark green Peas of excellent quality. The vines are 16 inches high, sturdy, and resist heat well.

***Laxtonian.** One of the best dwarf, wrinkled Peas for the market-gardener. Pods about 4 inches long, resembling those of Gradus, but a little earlier. Vines productive and vigorous; average height under 1½ feet.

***Gradus.** This is undoubtedly the greatest advance ever achieved in Peas, for it is as early as the first-earlies, with pods as large as the Duke of Albany and the same shape and color, each pod containing nine or ten wrinkled Peas of the typical fine marrow flavor, cooking very tender. Altogether, Gradus is the most distinct and largest-podded early Pea ever raised.

See next page for additional Extra-Early and Intermediate and Late Peas

VEGETABLE PLANTS

During the planting season, we have on sale from our own growers the following plants:

	Doz.	Flat (about 100)		Doz.	Flat (about 100)
Cabbage	\$0 20	\$1 25	Lettuce	\$0 20	\$1 25
Cauliflower	35	2 00	Pepper	25	1 50
Celery	25	1 25	Tomato	25	1 50
Eggplant	50	3 00	Chives. Bunch 20 cts.		



Hundredfold
Peas

**INOCULATE THIS
SEED WITH
STIMUGERM**

See page 34

EXTRA-EARLY PEAS	½pt.	Pt.	Qt.	½pk.
W. E. B. Co.'s Maud S.	\$0 20	\$0 30	\$0 50	\$1 75
Alaska	20	30	50	1 75
Pioneer	25	40	75	2 00
Little Marvel	20	35	60	2 00
Hundredfold	25	40	75	2 00
Laxtonian	25	40	75	2 00
Laxton's Progress	25	45	75	2 25
Gradus	25	40	75	2 25
Nott's Excelsior	20	35	60	2 00
Sutton's Excelsior	25	40	75	2 00
Tom Laxton	25	40	75	2 25
World's Record	25	40	75	2 25
INTERMEDIATE AND LATE				
Telephone	25	40	75	2 00
Potlatch or Imp. Strat	25	40	75	2 00
Champion of England	20	35	60	1 75
Mammoth Melting Sugar	30	50	85	3 00

EXTRA-EARLY PEAS, continued

***Nott's Excelsior.** Robust and vigorous in growth; throws out laterals from the base of the stock, producing in profusion long, handsome pods, closely packed with large Peas of fine flavor; more vigorous and prolific, with larger pods and more Peas than either American Wonder or Premium Gem. Seed green and wrinkled. 1 foot.

***Sutton's Excelsior.** This is today probably the most popular dwarf wrinkled sort in America. In this variety we have an early dwarf wrinkled Pea in the front rank for earliness, with much larger and handsomer pods than any dwarf early wrinkled Pea yet introduced. The Peas are very tender and of superlative flavor. Height 15 inches.

INTERMEDIATE AND LATE PEAS

***Telephone.** Pods and Peas are very large and showy, the latter being sweet and rich; popular. Vines $3\frac{1}{2}$ feet high.

Potlatch or Improved Stratagem. A large-podded wrinkled Pea of fine quality. Vigorous and productive vines about $2\frac{1}{2}$ feet high.

Mammoth Melting Sugar. Best edible-podded Peas.

Canada Field. Used for fodder. Sown with oats. Market price.

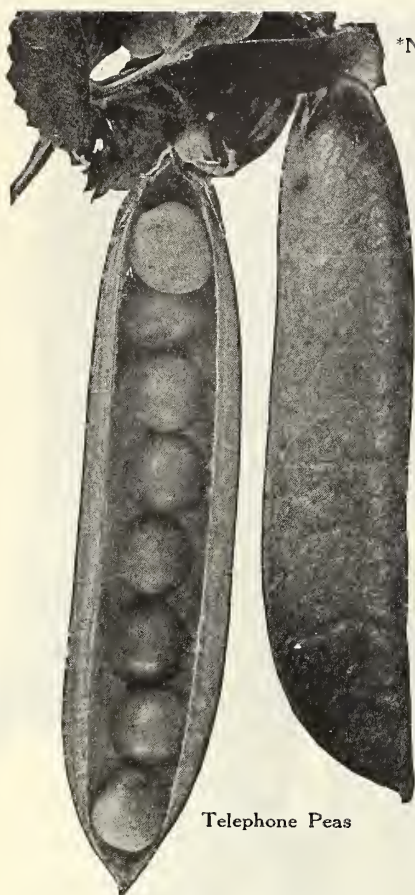
For prices of above varieties see page 13

PARSNIPS

Aside from its value as a table vegetable, the Parsnip also furnishes a healthful and nourishing food for stock, and is especially valued for this purpose by dairymen. Sow the seed in drills 15 inches apart, as early as possible in spring, and thin the plants until they are 5 to 6 inches apart in the rows. The roots are improved by frost, and only enough for winter use need be taken up in the fall, leaving the rest in the ground until spring, to be dug up as required. By running a plow, such as is used for breaking sod, along one side of the rows, field crops of Parsnips will be thrown out so that they can be harvested easily. Deep, rich, heavy soil is best suited, but on any deep, rich, mellow soil the yield is good per acre, and the roots will be smooth and large if no fresh manure is used.

An ounce will sow 150 feet of drill; 5 pounds will sow an acre

Champion Hollow Crown. The variety most widely grown; tender, sweet; very productive.



Telephone Peas

PEPPERS

Sow in hotbed as early as April, transplant to rich, warm, mellow soil as soon as the weather has become warm and settled, setting them about 2 feet apart in drills 3 feet apart. Seed may be sown later, in the open ground when all danger from frost is over, and thinned to the distance given above.

An ounce of seed will produce 2,000 plants

California Wonder. Nearly as large as, but earlier than Chinese Giant; shape blocky and square ended. It may be set upright and is ideal to stuff and bake, or to serve whole for salad. Heavier and firmer than other sorts, walls exceptionally thick; flavor sweet and spicy with no bite to it.

Worldbeater. The color is deep green when fruit is young, deep crimson when matured. The flavor is mild.

Chinese Giant. Very large; uniform; early; very mild.

Large Bell or Bull Nose. Large, thick pods.

Ruby King. Bright red pods, about 5 inches long and 3 to 4 inches thick; mild and pleasant flavor.

Squash. Medium size; thick skin; very productive.

Italian, Sweet. Exceedingly mild flavor; in great demand in this vicinity. Grows 6 or 7 inches in length, diameter about 2 to 3 inches at the base.

Red Chili. Used for making Pepper-sauce. Pods small, conical, scarlet, pungent; plants very fruitful.

Red Cherry. Small, round, bright red.



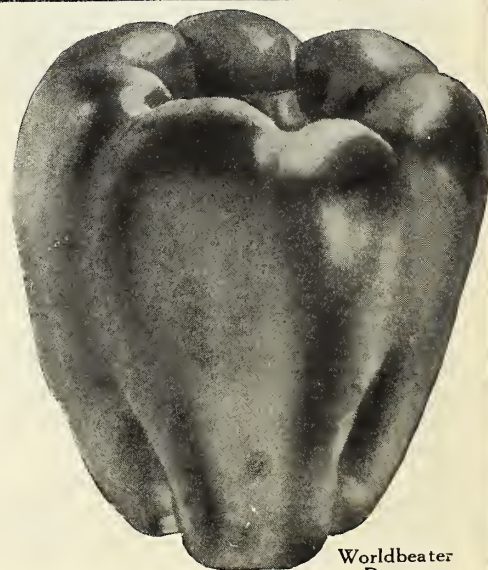
Champion Hollow Crown Parsnips

PRICE OF PARSNIPS

Champion Hollow Pkt.	Oz.	1/4lb.	Lb.
Crown	\$0 10	\$0 15	\$0 35 \$1 00

PRICES OF PEPPERS Pkt. 1/2oz. Oz. 1/4lb.

California Wonder	\$0 10	\$0 60	\$1 00	\$3 50
Worldbeater	10	30	50	1 50
Chinese Giant	10	35	60	2 00
Harris Early Giant	10	35	60	2 25
Large Bell (Hot)	10	30	50	1 25
Ruby King	10	30	50	1 50
Squash	10	30	50	1 25
Sweet Mountain	10	30	50	1 25
Italian, Sweet	10	30	50	1 75
Red Chili	10	35	60	
Red Cherry	10	35	60	
Long Cayenne	10	30	50	



Worldbeater Pepper

PUMPKINS

The Pumpkin is now little used except for agricultural purposes, the squashes being so much sweeter and drier and finer grained for the kitchen. The farmer, however, finds the Pumpkin a serviceable addition to his feed. The most common method of cultivation is to plant them with corn, two or three seeds to each hill.

Sugar. Round, not large, but very sweet, and an excellent table variety.

Mammoth. Immense size, often weighing over 100 pounds.

Connecticut Field. Very productive; large grown for feeding stock.

Winter Luxury. Fine pie pumpkin, round, color russet-yellow, flesh thick, fine flavor.

RADISH

Sow in the open ground as soon as it can be worked, at intervals of ten days for a succession as long as wanted. Sow in hotbed or greenhouse in winter. The winter varieties should be sown in August and lifted before severe frost. As their tender and mild qualities depend on rapid growth, the soil should be rich, light and mellow.

An ounce of seed will sow 100 feet of drill, 10 pounds to an acre

Cooper's Sparkler. Quite distinct; fulfils every requirement; the color is a rich carmine-scarlet, with a very pronounced tip of the purest white. The roots, even when fully developed, are solid, crisp, sweet, and remain fit for use as long as the coarser kinds. It is equally well adapted for forcing in frames or growing in the open ground, for while the leaves are small, they are sufficiently large for bunching.

Vick's Early Scarlet Globe. For forcing in the greenhouse, hotbed, or cold-frame, and for sowing in open borders early in the spring, there is no other red variety so desirable. It is the earliest, its color is the handsomest, in flavor it is the mildest, most crisp, juicy, and tender. It forms a small top, and will stand a great amount of heat. It is the market-gardeners' favorite forcing Radish. It will sell "three to one" compared with any round red sort.

French Breakfast. Olive-shaped; red above and white below; medium size; small top and of quick growth; crisp, sweet, and tender.



Icicle Radishes



Vick's Early Scarlet Globe Radishes

Icicle. A handsome first-class early variety, in color snowy white. It grows to the average length of the long varieties, but holds its fullness well down to the tap-root. Exceedingly attractive and excellent in every way.

Early Deep Scarlet Turnip. Skin deep scarlet; flesh sweet, tender, mild, and crisp; quick-growing, early variety; tops small.

Long Brightest Scarlet. Vivid scarlet, tipped with snow-white; rapid grower; quality fine.

Long Black Spanish. Roots black; flesh white and slightly pungent. One of the hardiest and latest.

Round Black Spanish. A popular round winter variety with black skin and mild sweet flesh. A good keeper.

White Giant Stuttgart. Very early; grows to a large size; fine quality; firm and brittle.

SALSIFY

When cooked, the roots have something of the flavor and odor of oysters. They may be boiled, used in soups, or grated and fried as fritters. Culture same as for parsnips and carrots. Roots are perfectly hardy, and may be left in the ground all winter, but should be dug early in spring, as the quality deteriorates rapidly with the second growth. A quantity of roots for winter use may be

stored in a pit or in sand or damp earth in a cellar.

An ounce of seed will sow 100 feet of drill

Mammoth Sandwich Island. A great improvement on the French sort generally cultivated. The roots are twice as large, smooth, tender, and well-flavored, resembling fair-sized parsnips.

PUMPKINS									
	Pkt.	Oz.	1/4lb.	Lb.		Pkt.	Oz.	1/4lb.	Lb.
Sugar.....	\$0 10	\$0 15	\$0 35	\$1 00	Connecticut Field.....	\$0 10	\$0 15	\$0 35	\$1 00
Mammoth.....	10	25	75	2 50	Winter Luxury.....	10	20	60	2 00
RADISHES									
Cooper's Sparkler.	10	15	50	1 25	Ea. Deep Scarlet				
Vick's Ea. Scarlet					Turnip.....	10	15	50	1 25
Globe.....	10	15	50	1 25	Long Brightest				
French Breakfast.	10	15	50	1 25	Scarlet.....	10	15	50	1 25
Icicle.....	10	15	50	1 25	Round Black Span..	10	15	50	1 25
Long Black Span..	10	15	50	1 25	White Gt. Stuttgart.	10	15	50	1 25
SALSIFY, Mammoth Sandwich Island.....						10	25	75	

Salsify

SQUASHES

Squash seed should be planted at about the same time and in the same manner as cucumbers and melons. The hills should be 9 feet apart each way, slightly elevated, and highly manured. Bush varieties may be planted closer together. Use plenty of seed, as the bugs will destroy some plants.

An ounce will plant from 20 to 40 hills

Warted Hubbard. Very hard, warty shells of large size. This strain is especially popular with market-men.

Des Moines or Table Queen. A Novelty. The vines are vigorous; squashes small, acorn shaped; color dark green, almost black; size about 6 inches long and 4 inches in diameter; prolific. Quality excellent.

The Warren. Resembles Turban in shape but the shell is rough, warty, thicker and harder, color richer, and a better keeper.

Boston Marrow. An improved strain of Boston Marrow. Fruits deeper orange, more rounded, thicker, smaller seed cavity and better flesh. A productive, good keeper.

Blue Hubbard. Hard shell; thick, dry meat of fine quality; favorite winter sort for Boston market.

Golden Hubbard. This is a very distinct sort of the shape and general character of the Hubbard, but a little smaller, earlier to mature, and of a rich orange-red color, instead of the dark olive-green of the old Hubbard.

Delicious. No Squash compares with it for table use. Remarkably fine and compact grain, dry, sweet, and exceedingly rich in flavor; color almost uniformly a green shade.

Cocozelle. This Italian Squash grows about 15 inches long and has smooth, dark green skin; fine flavored.

Mammoth Chili. Large, nutritious, orange-colored fruits; keep well all winter. For stock-feeding.

Giant Summer Straightneck. The largest of the early Straightnecks, and as early as any; flesh tender and good, cooking quickly.

Golden Summer Crookneck. Early and productive; fruits yellow, covered with water excrescences, as in all this race; flesh fine-grained and rich. Of fine quality.

Winter Crookneck. A favorite late-keeping winter Squash, with yellow skin and sweet, fine-grained flesh.

White Bush Scalloped. The earliest; skin cream-colored; flesh sweet and rich; very productive.

Yellow Bush Scalloped. Differs from White Bush Scalloped in color.



Blue Hubbard Squash

SPINACH

One of the most important crops grown for greens, and may be had in good condition from very early in spring until cold weather. For early use, sow very early in spring, and for succession at intervals. The main crop, for spring and winter use, should be sown in September and the plants covered for winter.

An ounce of seed will sow 50 feet of drill; 20 pounds to an acre

King of Denmark. A new variety which stands a long while without running to seed; large yielder and of excellent quality.

Bloodsdales Savoy. Hardy; well adapted for winter crops. Leaves large and wrinkled, like a Savoy cabbage.

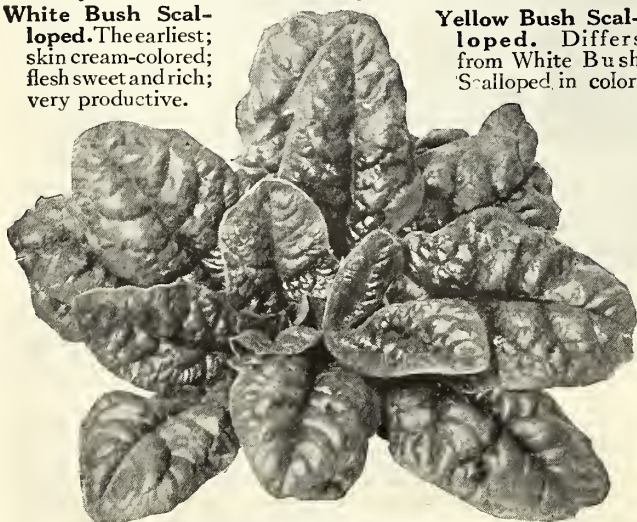
Giant Thick-leaved. A large, upright-growing, early variety with very thick, large, slightly crumpled leaves of medium green color. Fine for fall and spring sowing. A rapid grower.

New Zealand. Supplies the place of ordinary Spinach during hot weather.

RHUBARB

This plant is mostly propagated by division of the roots. The best time to set out the plants is early in the spring, although it is sometimes done in autumn. Make furrows of good depth, 3 to 4 feet apart, according to the variety planted; across these furrows, at right angles, make others the same distance apart; at each intersection put three or four shovelfuls of good manure and upon this set the plants.

Victoria. In general use for the market; immense crops.



Giant Thick-leaved Spinach

PRICES OF SQUASHES	Pkt.	Oz.	1/4lb.	Lb.
Warted Hubbard.....	\$0 10	\$0 20	\$0 60	\$1 50
Old-fashioned Green Hubbard.....	10	20	60	1 50
Des Moines.....	10	20	60	2 00
The Warren.....	10	25	75	2 00
Boston Marrow.....	10	20	60	1 50
Blue Hubbard.....	10	25	60	1 75
Golden Hubbard.....	10	20	60	1 50
Delicious.....	10	25	75	2 00
Cocozelle.....	10	20	60	1 75
Mammoth Chili.....	10	20	60	1 75
Giant Summer Straightneck.....	10	20	60	1 75
Golden Summer Crookneck.....	10	15	50	1 50
Winter Crookneck.....	10	15	50	1 50
White Bush Scalloped.....	10	15	50	1 50
Yellow Bush Scalloped.....	10	15	50	1 50
Vegetable Marrow.....	10	20	60	1 75

PRICES OF SPINACH			
King of Denmark.....	15	40	1 00
Bloodsdales Savoy.....	10	25	60
Giant Thick-leaved.....	10	25	60
New Zealand.....	10	20	60

PRICES OF RHUBARB			
Victoria.....	10	20	60
Roots in Season.. Ea. 10c., doz. \$1....			2 00

TOMATOES

For early use, sow in February or March in hotbed or in boxes and pots set in the warm window, and hasten the germination and growth of the plants by good care and frequent watering. When the seedlings are about 3 inches high, transplant them to pots or in rows 4 to 5 inches apart, keeping the temperature at about 60 degrees. Subsequent transplantings will make them branching and stocky, but do not set them in the open ground until all danger from frost is past, then plant them in a warm, sunny place, and water them freely until they are well established. Some support which will keep the fruit above the ground and free from dirt should be given the plants.

An ounce of seed will produce about 2,000 plants

Heterosis. This new, early variety has medium-sized, round, smooth fruits of a dark scarlet color, as high as twenty in a cluster. The plants are best cultivated with a single shoot. *Supply limited.*

Marglobe. Marglobe is a remarkable pure scarlet, globe-shaped variety of extra-large size and early maturity. It is resistant to nail-head rust and fusarium wilt. Attractive, solid, and tasty.

Earliana. This is considered the earliest red Tomato grown. Fair size; good shape; good quality.

John Baer. Only a few days later than Earliana, it yields a much heavier crop of larger, more uniform, and more attractive fruit.

New Dwarf Stone. This splendid new variety is put out by Livingston. Valuable as a general-crop Tomato.

Stirling Castle. An excellent sort for forcing under glass, as well as for outdoor culture. Fruit bright, glossy red, smooth, of fine flavor, and very early.

Dwarf Champion. Plants compact, stocky and upright, requiring no support. The pink fruit is always smooth and handsome, ripening close to the core and never cracking.

Ponderosa. The favorite large-fruited variety. Vines are of strong growth. When planted in rich soil, and pruned to single stem, the fruit often reaches one pound in weight.

The Stone. Very large, perfectly smooth fruits are bright scarlet, solid, meaty, with few seeds. Ship and keep well.

Chalk's Early Jewel. An early variety of brightest scarlet color, deep-fruited, very solid, with few seeds, and of excellent flavor.

Acme. This has, for years, been considered a standard variety. Fruit pink, large, smooth, solid, never cracking, and holding its size well. A good long-distance shipper.

Early June Pink. Similar in habit to Earliana and about the best of the early purplish pink sorts. Fruits hang in clusters of six to eight.



John Baer Tomatoes

TOMATOES, continued

Yellow Plum. Fruits are yellow, oval, and very smooth. Used for preserves.

Strawberry (Winter or Ground Cherry). The small fruits, enclosed in a husk have a flavor like strawberries, and may be preserved like plums. The vines are always heavily loaded with fine fruits.

TURNIPS

For early crop, sow as soon as the ground can be prepared, in drills 15 inches apart, and thin the plants to stand 6 inches apart. Sow, for succession, at intervals of two weeks until the last week in July, and from that time onward until the last of August, sow for main crop. The sowings should always be made just before a rain, if possible, as the success of the crop depends in a great measure upon quick germination and rapid growth in the young plants.

An ounce of seed will sow 150 feet of drill; 1 pound will sow an acre

Twentieth Century Rock. This is now recognized as the standard white winter Turnip.

Early White Milan. Very early; pure white; of fine quality.

Purple-Top Strap-Leaf. Grown largely for fall and winter crops.

Early Red-topped Globe. A large, handsome, globe-shaped Turnip; excellent for the table and extensively grown and pitted for fall and winter use. Remarkable for its heavy yield per acre.

Early White Egg. Pure white; egg-shaped; grows rapidly and is fine-grained, sweet, delicate-flavored, and solid.

Golden Ball. Most delicate yellow-fleshed Turnip we know of. Medium size, firm, hard, and of superior flavor. An excellent table variety.

Macomber. Resembles White Rock, but much earlier. A favorite in some sections.

Budlong White Rock. Obtained by years of selection and grows much smoother than White Rock.

Sweet German. A very popular variety in some sections of the country where it is highly esteemed for its excellent keeping qualities. Large; white; fine quality.

RUTABAGA

Improved American. Large, firm, yellow roots which keep well, and are of good flavor. Hardy, a heavy cropper, and excellent for either table or stock.

PRICES OF TOMATOES

	Pkt.	1/2oz.	Oz.	1/4lb.
Heterosis	\$0 50			
Marglobe	\$0 30	\$0 50	\$1 50	
Earliana	10 25	40 1 25		
Bonny Best	10 25	40 1 25		
John Baer	10 25	40 1 25		
New Dwarf Stone ..	10 25	40 1 25		
Stirling Castle	10 40	75 2 50		
Dwarf Champion ..	10 25	40 1 25		
Ponderosa	10 25	40 1 25		
The Stone	10 25	40 1 25		
Chalk's Early Jewel	10 25	40 1 25		
Acme	10 25	40 1 25		
Early June Pink ..	10 25	40 1 25		
Red Plum	10 30	50 1 50		
Red Cherry	10 30	50 1 50		
Yellow Pear	10 30	50 1 50		
Golden Queen	10 30	50 1 50		
Yellow Plum	10 30	50 1 50		
Strawberry	10 30	50 1 50		

PRICES OF TURNIPS

	Pkt.	Oz.	1/4lb.	Lb.
Twentieth Century Pkt.				
Rock	\$0 10	\$0 20	\$0 40	\$1 25
Ea. White Milan ..	10 15		40 1 25	
Purple-Top Strap-Leaf	10 15		30 75	
Early Red-topped Globe	10 15		50 1 25	
Early White Egg ..	10 15		50 1 25	
Golden Ball	10 15		40 1 00	
Macomber	10 20		50 1 25	
Budlong White Rock	10 20		40 1 00	
Sweet German	10 15		40 1 00	
Seven Top	10 15		40 1 00	
Yellow Aberdeen ..	10 15		40 1 00	
Cowhorn	10 15		40 1 00	

PRICE OF RUTABAGA

Improved American	10	20	50	1 50
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Dill

Thyme

Horehound

Anise

Lavender

Sweet Marjoram

Fennel

SWEET AND MEDICINAL HERBS

Anise. Used for garnishing and flavoring. The seeds have an agreeable and aromatic flavor, and are used in medicine.

Balm. Leaves possess a fragrance similar to lemons. Made into Balm tea for fever, and into a beverage called "Balm wine."

Basil, Sweet. For stews, soups, and sauces.

Borage. Excellent for bees. Flowers used to flavor cool drinks.

Burnet. Leaves slightly astringent. Used in salads and soups.

Caraway. The seeds are used in cakes, confectionery, etc.

Catnip. Used for bee food and seasoning.

Coriander. Grown for its seeds, which are used in confectionery.

Dill. Used for pickling. Has an aromatic odor and a warm, pungent taste.

Horehound. Valuable for medicines.

Lavender. Used for perfume.

Marjoram, Sweet. Used for seasoning.

Rosemary. An aromatic, ornamental herb.

Rue. Used for seasoning; also as a remedy for roup in poultry.

Saffron. The flowers are used in dyeing.

Sage. Medicinal, but used principally for flavoring.

Savory, Summer. The dried stems, leaves, and flowers are used extensively for flavoring.

Thyme. The young leaves and tops are used for sauces, soups, and dressings. Also a good remedy for nervous headache when made into tea.

Tobacco, Connecticut Seed-leaf, or Havana. Imported.

Any of above, 10 cts. per pkt.

SEEDS FOR THE FARM

FIELD BEETS

White French Sugar. Much grown in Europe for sugar-making; very sweet and keeps well; much relished by stock. The Beets are very large and the yield per acre is heavy, making it one of the most profitable sorts to grow.

Mangel-Wurzel, Norbiton Giant. A long red variety, preferred by many to common Long Red, as it is considered of better keeping quality; good for deep soils.

Mangel-Wurzel, Golden Tankard. A most important addition to our roots for feeding stock. Flesh a deep, rich yellow, very sweet and nutritious. In shape a little shorter than Norbiton Giant, but thicker. A very heavy cropper.

FIELD CORN (Flint)

Longfellow. The variety most widely grown in New England. An early 8-rowed Flint Corn with long ears and comparatively small cobs, filled to the tips with large, broad kernels.

Rhode Island White Cap. A well-known, early, prolific variety from which is made the celebrated Rhode Island white meal. The yield is very heavy and the Corn is of the highest quality.

SEMESAN JR. will improve your crop of Corn if you will treat the seed with it before planting. See page 40

PRICES OF FIELD BEETS				PRICES OF FIELD CORN			
	Oz.	1/4 lb.	Lb.		Qt.	1/2 pk.	Bus.
White French Sugar Beet..	\$0 15	\$0 45	\$1 00	Longfellow.....	\$0 25	\$0 75	\$5 00
Mangel-Wurzel, Norbiton Gt.	10	30	1 00	Rhode Island White Cap.....	25	75	4 00
Golden Tankard.....	10	30	1 00				

Goods delivered without extra charge locally. Orders by mail or telephone receive the same attention as a personal order

Grain, Grass, Clover and Miscellaneous Farm Seeds

We pay a great deal of attention to the quality of the Farm Seeds we offer to our customers, and spare no expense to get absolutely the best the market affords.

Owing to crop conditions, prices of Grains, Grass, and Clover Seeds, etc., are variable. We assure our customers they will have the full benefit of the lowest market rates for choice, selected stocks.

SWEDISH SELECT OATS

This Oats has made for itself a reputation as an exceedingly heavy and reliable yielder. It is very hardy and prolific and yields beautiful white kernels which are especially desirable for the manufacture of rolled Oats. The straw is valuable for feed and for bedding. The sprangle-top heads, although long, are borne low down on the stalk, which seems to prevent lodging, and are very large in proportion to its stiff, bright, clean straw. As a rule, Oats yield a greater profit an acre than wheat, and they are also a more reliable crop. Bus. \$1.75.

Treat Oats with Ceresan before sowing. See page 40



Swedish Select Oats

FIELD PEAS

"Peas could be made to bring more nitrogen to the soils of this country every year than is now purchased annually by the farmers at the cost of millions of dollars."—*Yearbook of the U. S. Department of Agriculture.*

**INOCULATE THIS
SEED WITH
STIMUGERM**

Grain has been grown year after year on many farms, sapping the life and fertility of the soil. Here is a crop which is not only profitable but will return to the land the much-needed nitrogen. Peas are second only to clover in their soil-enriching properties, and can be grown under almost any condition of soil or climate. The vines make rich, nutritious hay, and if fed green to milch cows, the flow of milk will be almost doubled. They can be sown alone or with oats and fed green. It is surprising the amount of fodder which is produced in this way. Bus. \$4.50.

DWARF ESSEX RAPE

Makes Splendid Fall, Winter, and Spring Pasture—Fine for Cattle, Sheep, and Hogs.

This is a most important forage plant and is often used by the fruit-grower as a cover crop, or it is excellent for renewing humus in worn-out soils. It grows like a rutabaga, with a very leafy top but no swollen root.

Rape for fall use should be sown in July, August, or September. It makes a large-yielding, nutritious, succulent green feed or pasturage all through the fall and early spring. Rape can be successfully sown both in the fall and spring. Early fall seeding, however, gives the best results. It is best sown in drills at the rate of 3 to 5 pounds per acre, or it can be sown broadcast, when from 6 to 8 pounds per acre should be used. Lb. 20 cts.

COVER CROPS

It is always wise to sow a cover crop on any land that is bare, in the fall as early as September. These crops are to be turned under in the spring and add much fertility to the soil, putting it in much better condition than if no cover crop were raised.



Eureka Ensilage Corn

EUREKA ENSILAGE CORN

Thousands of farmers and dairymen who have used the Eureka Corn are still of the opinion that it has all the qualities that go to make it an ideal fodder and ensilage variety. It grows quite tall (some 12 to 15 feet), makes a thick growth of fodder, and is very prolific in ears which get to the proper condition for ensilage by the first to the middle of September. Our supply for this season is very choice stock, the genuine Eureka produced for us in Virginia by a reliable grower. Bus. \$3.25.

IMPROVED LEAMING CORN

A superior strain of Yellow Dent Corn, not only valuable for fodder and ensilage, but will produce a big crop of matured Corn almost anywhere in New England, often 100 bushels of shelled Corn per acre. Bus. \$2.25.

SWEET CORN

For Fodder

We are usually able to offer a good stock of this variety at a reasonable price.



Sand, Hairy, or Winter Vetch

SAND, HAIRY, OR WINTER VETCH

Hairy or Winter Vetches are increasing in popularity wherever they are grown and are proving to be one of the most valuable crops for fall planting. They not only make a large yield of the most nutritious hay, but they improve the condition and productiveness of land for crops to follow, as much as any crop that can be sown, not even excepting crimson clover and cowpeas.

The forage is greatly relished by horses and all kinds of cattle, is very nutritious, and makes fine, milk-producing food.

On some soils, Vetches seem to require soil inoculation, to give the best results, but on the great majority of our soils they will yield splendid crops without any inoculation whatever. Where Vetches do not do so well the first year, it is advisable to reseed them upon the same land, when the resulting crop will be a great surprise in its yield and growth.

**INOCULATE THIS
SEED WITH
STIMUGERM**

Sow 20 pounds of Vetch and 1 bushel of rye or oats to the acre

COWPEAS, New Era. This variety is of real value, both in the southern and in the northern states, as a green summer feed for sheep and as a green crop for plowing under to enrich the soil. Sow for plowing under at the rate of 2 bushels to the acre, or with oats at the rate of 1½ bushels of each per acre.

**INOCULATE THIS
SEED WITH
STIMUGERM**

BEAN, Soja (*Soja hispida*). Resembles a bean. The haulm is stiff and the pods are produced in clusters of from two to five, each containing four smooth, oval, nankeen-colored seeds. This plant is said to thrive well in hot and dry weather.

**INOCULATE THIS
SEED WITH
STIMUGERM**

BUCKWHEAT, Japanese. Earliest and most productive of the Buckwheats.

RYE, Spring. Best northern-grown. Sow 1½ bushels to the acre.

Winter. Sow in September and October at the rate of 1½ bushels to the acre.

WHEAT, Winter. Extra-choice stock.

Spring. Northern-grown.

BARLEY, Chevalier. A two-rowed variety that is more largely used for forage than the six-rowed. Seed grown on the irrigated lands of Montana; very plump, extra-heavy and nearly white. Very good quality.

SEED INOCULATION

The Best Inoculation
for All
Legume Seeds



Means Better Crops,
Better Soils,
Less Fertilizer Expense

Seeds of all legumes—Clovers, Alfalfa, Sweet Clovers, Beans, Peas, Vetches, Soy Beans, Cowpeas, etc.—will yield far better results if inoculated with **Stimugerm**, and, in addition, leave in the soil a heavy deposit of nitrogen which benefits all succeeding crops in the rotation. **Stimugerm** is guaranteed for five years—always fresh—always strong and virile.

A Sensible Insurance and a Profitable Investment

We believe in inoculation, we favor the pure jelly medium, and we believe in **Stimugerm**. We recommend that all legume seeds purchased from us be inoculated before planting.

HOW TO ORDER: Specify crop and number of bushels you wish to inoculate (one-bushel size contains sufficient bacteria to thoroughly inoculate one bushel of designated variety of legume seed)

PRICES—For small seeds—Clovers, Sweet Clovers, Alfalfa, etc.

¼-bus. size.....	\$0 35
½-bus. size.....	60
1-bus. size.....	1 00
2½-bus. size.....	2 25
10-bus. size.....	8 00

For Large-Size Seeds—Soy Beans, Cowpeas, Peas, Beans, Vetches, etc.

½-bus. size.....	\$0 35
1-bus. size.....	60
5-bus. size.....	2 25

Special Garden Size for Garden Peas, Beans, and Sweet Peas, 25 cts.



LEGUME INOCULATORS MUST BE FRESH

Legume germs are perishable. **Nitragin**, for many years, has had the expiration date on its labels, to guarantee the farmer fresh, active germs. Undated inoculators in tins or in bottles may be old and worthless.

All legume germs need air and moisture to remain fresh and active. In the preparation of **Nitragin**, pure cultures of legume germs are mixed with a finely ground black soil-like substance, and packed in ventilated tins. This keeps **Nitragin** in a moist, healthy condition. Only selected and tested strains are used.

Alfalfa, All Clovers, Vetches, Peas, Beans

¼-bus. size.....	\$0 30
½-bus. size.....	45
1-bus. size.....	70
5-bus. size.....	3 35

SPECIAL PRICES: Soy Beans and Cowpeas

1-bus. size.....	\$0 30
2-bus. size.....	50
5-bus. size.....	1 05
10-bus. size.....	1 75

Always state kind of seed—legumes only.

Small GARDEN SIZE NITRAGIN for SWEET PEAS, PEAS, and BEANS. 25 cts.



Red-Top Grass



Timothy



Crimson Clover. See page 36

GRASS AND CLOVER SEEDS

All our Grass and Clover Seeds are of the finest quality. Comparison of samples and prices invited

GRASSES

For General Grass-seeding for Mowing-Lands

Sow Clover, Timothy, and Red-Top mixed. For an acre, 8 pounds Clover, $\frac{1}{2}$ bushel Timothy, 8 pounds Fancy Clear Red-Top.

Treat your Grass Seed with SEMESAN before sowing. See page 40. Ask for descriptive pamphlet

The importance to the farmer of a good selection and proper mixture of grass seeds for the various purposes of cultivation, for mowing, for soiling, for permanent pasture, etc., cannot be over-estimated. We prepare a special mixture containing only the most suitable grasses for permanent pastures and meadow lands, such as Orchard Grass, Meadow Foxtail, Sheep's Fescue, Rhode Island Bent, Meadow Fescue, English Rye Grass, Perennial Sweet Vernal, Red-Top and Clovers. Two to four bushels of this mixture are needed to seed an acre, according to the condition of the land.

Timothy or Herd Grass (*Pbleum pratense*). A well-known nutritious grass, which on most soils will produce a better crop than any other variety. We offer a particularly choice quality of seed. Sow $\frac{1}{2}$ bushel an acre, if alone (45 pounds to the bushel).

Red-Top (*Agrostis vulgaris*). A great favorite, succeeding in a great variety of locations, giving very good results on light soils, and the very best on heavy, moist soils or lowlands liable to overflow, which are so apt to be sour and acid. It does not thrive on sandy or leachy soil. The first year it grows somewhat slowly, spreading by creeping root-stocks. Height, 1 to 2½ feet. Maturing at about the same time as Timothy, it is used considerably with it and Red Clover to make a heavier yield. Cut when in bloom in July. It is also a splendid grass for lawns, and is very commonly included in mixtures. The usual rate of seeding is 14 to 16 pounds of fancy re-cleaned seed an acre, but if in the chaff, double the quantity.

Wood Meadow (*Poa nemoralis*). Well adapted for growing under trees and in shaded situations. Dwarf and fine-growing. Sow about 2 bushels an acre (14 pounds to bushel).

Certified Prince Edward Island Bent (*Agrostis tenuis*). A pure, hardy strain of Rhode Island Bent grown on Prince Edward Island, Canada. Forms an ideal turf of dark green color and uniform in texture. Uniformity of texture is the principal requisite of a good putting-green without which the ball will not roll true. Sow 3 to 5 pounds to 1,000 square feet for a green and 2 to 3 pounds for lawn purposes.

Creeping Bent (*Agrostis stolonifera*). A very useful grass for fine lawns and pleasure-grounds, on account of its short growth, deep green and fine-leaved foliage. Indispensable for golf-course, croquet, and cricket fields as well as general lawn formulas. Sow 3 to 5 pounds per 1,000 square feet.

Rhode Island Bent (*Agrostis canina*). A fine, hardy, very compact grass; very permanent, readily forming a heavy sward. Sow 4 bushels an acre, if alone (10 pounds to bushel).

Kentucky Blue (*Poa pratensis*). Known as June-Grass. An early grass of great value; makes a close, velvety turf, and is excellent for pasture; generally sown mixed with other grasses. Sow about 3 bushels an acre, if used alone (finest seed 14 pounds to bushel).

Orchard Grass (*Dactylis glomerata*). It is very satisfactory for the meadow when sown with other grasses, the hay being very nutritious, but it should be cut when in blossom. It is not suitable to sow alone, because of its tufted habit. Especially adapted for shady places, particularly in orchards, wood-lot pastures, and usually sown in the spring, but under favorable conditions may be sown in the fall. Sow 30 to 40 pounds of seed an acre.

Pacey's Perennial Rye. Smaller seeded and finer leaved than the type. The smaller plants it produces are claimed to be more resistant to cold and superior for turf on fairways where grass is needed quickly.

Perennial Rye (*Lolium perenne*). An early, hardy, and very nutritious grass for meadows, pastures, or hay crop. Generally used with other grasses. If used alone, sow 2 bushels an acre (24 pounds to bushel).

PRICES ON GRASS SEEDS.—Owing to frequent changes, we cannot make a fixed price, but assure you we shall sell as low as the lowest for high-grade seeds.



Sudan Grass

GRASS AND CLOVER SEEDS, continued

- Meadow Foxtail** (*Alopecurus pratensis*). Very valuable mixture for permanent pastures exposed to heat and drought; early and rapid in growth; not a valuable hay grass. (8 pounds to bushel.)
- Sheep's Fescue** (*Festuca ovina*). Of dense growth; excellent for dry situations and sheep-pastures. Sow $2\frac{1}{2}$ bushels an acre. (12 pounds to bushel.)
- Hard Fescue** (*Festuca duriuscula*). Perennial; $1\frac{1}{2}$ to 2 feet high; June. The most vigorous of the dwarf-growing grasses. Thrives well in dry soils; comes early and withstands long droughts. Very nutritious as a hay crop and valuable for permanent pasture. Sow $2\frac{1}{2}$ bushels an acre. (14 pounds to bushel.)
- Red Fescue** (*Festuca rubra*). Perennial; 2 to $2\frac{1}{2}$ feet high; June and July. On account of its creeping habit is especially valuable for loose, sandy soils and embankments. It easily resists drought and often is green when other grasses are dried up. Sow $2\frac{1}{2}$ bushels an acre. (14 pounds to bushel.)
- Tall Fescue** (*Festuca elatior*). A valuable perennial grass, very productive and nutritious. It is native to moist, heavy soil where it probably does best, but it succeeds well on any good soil, wet or dry. If used alone, sow 40 pounds an acre.
- Meadow Fescue** (*Festuca pratensis*). Of great value in mixtures for permanent pastures; very nutritious, of good flavor, and is much relished by live-stock. Sow $2\frac{1}{2}$ bushels an acre (15 pounds to the bushel.)
- Crested Dog's Tail** (*Cynosurus cristatus*). A perennial grass much valued for its dwarf habit and hardiness. One of the finest for lawns. Sow 2 to 3 bushels an acre (28 pounds to bushel.)
- Sudan Grass**. A new forage plant closely related to the cultivated sorghums; of value in the dry Middle West as a drought-resisting hay crop. In the East and North should be tried as a substitute for millet, as the crop is larger and has better feeding value. Care should be exercised in turning cattle onto second growth. In rows, 4 to 6 pounds to the acre; broadcast, 20 pounds to the acre.

Clovers Are a Necessity on Every Farm

Clovers enrich the soil, for their roots gather immense quantities of nitrogen-fixing bacteria, which take nitrogen from the air and leave it in the soil in a form readily available for growing crops. Nitrogen is the most expensive chemical to buy in fertilizer. Why not make use of this cheap source and encourage their growth by the use of

**MILLET or HUNGARIAN GRASS SEED**

Prices variable; subject to market fluctuation

Hungarian Grass (*Panicum germanicum*). One of our best forage plants and yields immensely, even when the weather is so dry that other crops dry up. One of the best annual grasses for green fodder or hay. Sow from June 15 to July 31. One bushel seeds an acre. (48 pounds to bushel.)

Millet, Tennessee Golden. Of stronger and taller growth than other Millets and does not mature so early. Sow 1 to $1\frac{1}{2}$ bushels per acre. (50 pounds to bushel.)

Millet, Japanese Barnyard (*Panicum Crus-galli*). This Millet is valuable as a green or dry fodder, or for soiling. It is erect in growth, very leafy, and the stalks are tender and succulent, even when matured. Produces from 15 to 20 tons green fodder per acre. As fodder crop sow 20 pounds to acre

CLOVERS

Medium Red. The well-known Red Clover.

Alsike. Hardy, productive, fragrant; succeeds best on stiff, cold soils.

White. Used in nearly all mixtures for lawns and valuable for pastures.

Crimson. An annual used for soiling and for plowing under to enrich the soil.

Canadian Variegated Alfalfa. Grows and looks much like Grimm. In hardiness, intermediate between Grimm and Northwestern Common.

Common Alfalfa. Requires well-drained land and an abundant application of lime previous to sowing. August is the best time to sow. Use 20 to 25 pounds to the acre.

Grimm Alfalfa. Only a few strains of Alfalfa equal, and none excel true Grimm Alfalfa in hardiness. It is the safest type to sow wherever there is trouble from winter killing.

White Blossom Biennial Sweet Clover. Of great value as a soil renovator. It will thrive on all classes of soil, which it greatly enriches if plowed under. Sow any time from April until the middle of September at the rate of 15 to 25 pounds to the acre.

Labor-saving devices for the agriculturist are listed, beginning with page 50



White Blossom Biennial Sweet Clover



NARRAGANSETT SWEEPSTAKES ENSILAGE CORN

This is a hybrid Corn, produced through the breeding of twelve varieties from various sections of the country. By careful breeding the sugar content of Narragansett Sweepstakes Ensilage Corn has been greatly increased. It will produce from five to ten tons more ensilage per acre, with a better food-value than other known varieties on the market. The yield is from seventeen to twenty-nine tons per acre. Due to the methods employed in breeding, Narragansett Sweepstakes Ensilage Corn has a very high vitamin content. Put up in 2-bushel sacks. \$4 per bus.

NORTHERN-GROWN SEED POTATOES

Carman No. 3. A handsome, round, white variety of the best quality; large, almost no small tubers. Vines large and vigorous, not troubled by bugs or blight as much as other sorts.

Early Rose. Early, prolific, well-known variety.

Gold Coin. Fine-shaped tubers, rather oblong; white; russet skin. Almost every Potato is of good market size.

Green Mountain. (*Certified stock.*) A late Potato which does well on all kinds of soil; very productive; oval; a good keeper, and of fine quality.

Irish Cobbler. (*Certified stock.*) One of the first varieties of Potatoes to be ready for market, and therefore will command a good price. The skin is creamy white, sometimes netted, which is an indication of good quality; eyes are strong, well developed, and but slightly indented.

Norcross. Hardy; enormous yield; resists blight. Exceptionally fine variety.

Snow. Medium late, white Potato of a roundish shape. Suitable for all soils; heavy yielder.

Spaulding Rose. (*Certified stock.*) A vigorous grower; great yielder; resembles the Early Rose in shape and color. It is fast finding its place as one of the standard late varieties. We recommend it to all who want a good quality winter Potato.



Green Mountain Certified Seed Potato

Semesan Bel

Before planting your Potatoes, give your seed a Semesan Bel treatment, thereby greatly increasing the yield. It will also reduce scab. We will be pleased to mail you descriptive pamphlet. See page 40.

SPRAYING CALENDAR

This Calendar, based upon the recommendations of the Agricultural Colleges and Experiment Stations of the country, is a brief guide for the general treatment of insect pests and plant diseases.

Timeliness is one of the greatest factors in the control of diseases and pests; in order to spray intelligently, that is, to strike at the proper time, one should know at least the main facts in the life-history of the insect or disease sprayed against. Moreover, it will pay to remember that, for nearly all fungous diseases and some insects, spraying is a preventive, and to be most effective must be done at the time when attacks may be expected, without waiting for the enemy to become apparent.

Spray only on clear, sunny days and finish the work early in the afternoon, so that the application will dry rapidly and before dew falls. Spray evenly and thoroughly, using ample pressure and a nozzle that throws a fine mist, but do not continue until the foliage drips. Never spray when the trees are in blossom.

IN GENERAL TERMS

POISONS, such as Arsenate of Lead, are used to control leaf-eating insects. Examples:—Canker Worm, Potato Beetle.

CONTACT INSECTICIDES, such as Tobacco Extracts, Soap Sprays, etc., are used in fighting sucking insects. Examples:—Plant Lice, Squash Stink-bug. Sucking insects will not be killed unless they are hit by the spray.

Bordeaux Mixture and Lime-Sulphur are for use against plant DISEASES.

PLANT	ENEMY	SPRAY	FIRST APPLICATION	SECOND APPLICATION	THIRD APPLICATION
APPLE	Aphis	Black Leaf 40 in conjunction with Arsenate of Lead.	When buds show pink.	In conjunction with spray for scab.	
	Bud Moth Codling Moth Scab Curculio	Arsenate of Lead and Bordeaux.	Just before blossoms open.	Immediately after petals fall.	10 days later.
	San Jose Scale	Dry Lime - Sulphur 1-50 after apples have set.	Autumn after leaves have fallen, or	Early Spring before leaf buds swell.	If badly infested, make both applications.
		Lime-Sulphur or Scalecide as dormant spray.			
CABBAGE CAULIFLOWER	Green Worms	Arsenate of Lead, if plants are not heading.	If heading, apply Hellebore.		
CARNATION	Red Spider Rust	Clear Water. Semesan.	Syringe off the plants 3 times a week, being careful not to drench the beds. In the greenhouse once in 2 weeks. In the field once a week.		
CUCUMBER MELON SQUASH	Wilt Mildew	Bordeaux.	Middle of July.	10 days later.	
	Striped Beetle Borer	Heavy application of Tobacco Dust. Bordeaux. As soon as stems are long enough cover the joints with earth so that secondary roots will develop.	Keep the vines well sprayed to make them distasteful to the beetles.		
CURRANT GOOSEBERRY	Curiant Worm	Arsenate of Lead and Bordeaux.	As soon as worms appear.	Use Hellebore after fruit is half grown.	
	Mildew	Bordeaux.	Before leaf buds open.	After blossoming.	
GRAPE	Rose Chafer		Ansect when pest appears.	Repeat if necessary.	
	Flea-beetle Mildew	Arsenate of Lead. Bordeaux.	Before blossoms open. Before blossoms open.	When fruit has set.	2 weeks later.
PEACH AND APRICOT	San Jose Scale Peach Leaf-curl	(See under Apple). Lime-Sulphur or Bordeaux.	Dormant season before buds swell.		
	Curculio Peach Borer Scab and Brown Rot	Arsenate of Lead. Para-Dichlorobenzene. Dry Lime-Sulphur 1-50.	When shucks are shedding from the young fruit. One month after petals fall.	One month after petals fall. One month before fruit ripens.	
PEAR	Psylla	Black Leaf 40. Lime Sulphur or Scalecide as delayed dormant spray. (See under Apple).	After blossoms fall.	5 to 7 days later.	
	Codling moth Scab Scale				
PLUM	Curculio Fungous diseases	Arsenate of lead. (See under Peach).	Just after blossoms fall.	1 week later.	
POTATO	Scab Beetles Blight or Rot Aphis	Dip in solution of Semesan Bel. Arsenate of Lead and Bordeaux. Black Leaf 40 as contact spray.	When plants are 6 or 8 inches high.	2 weeks later.	Repeat every 2 or 3 weeks; omitting arsenate of lead if beetles are not in evidence. Wet spells followed by hot weather are favorable to development of rot and blight.
RASPBERRY BLACKBERRY DEWBERRY	Anthraxnose Red Rust	Bordeaux. Dig up and burn all infected plants.	When new canes are 6 inches high.	2 weeks later.	2 weeks later.
ROSE	Rose-chafer Black spot Mildew	Ansect. Funtrogen. Funtrogen.	When beetles appear. As soon as spots appear. Dust every 10 days if necessary.	Repeat when necessary. Repeat when necessary.	
STRAWBERRY	Leaf spot or rust	Bordeaux.	3 or 4 times during the season.		

For Plant Lice (Aphids) use Tobacco Extracts or Soap Sprays on all Plants

INSECTICIDES AND FUNGICIDES

ANSECT. A highly concentrated insecticide, which should always be diluted before use. For rose-bugs, beetles, curculio, and hard-bodied insects, use 1 part Ansect with 30 parts water. It is always better to spray during the hot part of sunny days. Be sure to spray all parts of the plant, on both upper and under side. 4 ozs. 30 cts., pt. \$1.

ANTROL. The latest method of combating ants. A complete control system consisting of special patented glass containers and Antrol syrup, U. S. Government formula. Sets consisting of 4 containers and a 4-oz. bottle of Antrol Syrup, \$1. Extra containers 15 cts. each. Antrol syrup, 4-oz. bottle 50 cts., pts. \$1, gal. can \$4.

APHISTROGEN. Makes a complete spray for aphids (plant-lice) and most sucking insects; prepared especially for roses and other plants. 4 ozs. 75 cts., ½ lb. \$1.25, 2 lbs. \$3.50.

BLACK-LEAF 40 (Sulphate of Nicotine). Highly recommended by spraying experts for destroying aphids, thrips, etc., without injury to foliage. Perfectly soluble in water; no clogging of nozzles. Oz. 35 cts., ½ lb. \$1.25, 2 lbs. \$3.25, 10 lbs. \$11.85.

BUG DEATH. A non-poisonous powder, sure death to potato, squash, and cucumber bugs, currant and tomato worms. Safe to handle. Applied dry or in water. This insecticide and plant-food combined has been on the market for twenty-five years. Lb. 20c., 3 lbs. 50c., 5 lbs. 75c., 12½ lbs. \$1.50, 100 lbs. \$9.

CROW-REPELLENT. A non-poisonous oil for protecting newly planted corn from crows and blackbirds. Don't kill the crows—they are valuable bug destroyers. Corn treated with this oil will run through a seeder better than when treated with tar. \$1 and \$1.50.

CUTWORM FOOD. Easy to apply; will not injure the plants, and will destroy the cutworm. Lb. 40 cts., 5 lbs. \$1.75.

CYANOGAS. Valuable for greenhouse fumigation, for destroying aphids, white fly, thrips, etc. Scatter along walks and close the house for the night. 5 lbs. \$3.

DOLGE WEED KILLER. A clean, concentrated, super-strength liquid chemical, which sinks into the ground, destroying the tops and roots of all existing growth. Qt. 60 cts., gal. \$1.75, 5 gals. \$6.75.

EVER GREEN. Non-poisonous, efficient inside and outside. Destroys a great many varieties of both chewing and sucking insects without danger of burning plants. 1-oz. bottle 35 cts., 6 ozs. \$1, 16 ozs. \$2, 32 ozs. \$3.50, gal. can \$13.

FISH- or WHALE-OIL SOAP. A very effective, simple, and cheap preparation for the preservation of trees, shrubs, plants, vines, rose bushes, and garden plants in general from the ravages of insects. Lb. 30 cts., 5 lbs. \$1.40.

"43 FOR THE TREE." Apply to wounds of any nature after proper preparation. Every ingredient in it is beneficial to the tree. It contains those acids that destroy fungi and insects but are non-injurious to the tree. Sold in cans: Lb. 65 cts., 5 lbs. \$2.95, 10 lbs. \$5.75, 50 lbs. \$23, 100 lbs. \$38.

FUNGITROGEN. Effective remedy for conquering mildew on roses; destroys black-spot. ½ pt. 75 cts., pt. \$1.25, qt. \$2, 2 qts. \$3.50.

GRAPE DUST. For destroying mildew on grape-vines and trees affected with mold, mildew, or rust-mites. 5 lbs. 75 cts.

HELLEBORE, White Powdered. An excellent protection from currant worms, grape slugs, etc. May be applied by dusting on with a bellows, or as a liquid, mixed at the rate of 1 pound to 30 gallons of water. ½ lb. 35 cts., lb. 60 cts.

INSECTROGEN. A complete spray—poison, fungicide, and fertilizer. Excellent for roses, phlox, etc. 4 ozs. 60 cts., ½ pt. \$1, pt. \$1.75, qt. \$2.75.

KAYSO. The combined casein spreader and adhesive which makes orchard and garden spraying more economical and more efficient. Kayso is now used by fruit and vegetable growers in all parts of the United States. 2 lbs. 50 cts., 10 lbs. \$2.30.

LEMON OIL. An effectual insecticide for cleaning plants of lice, scale, mealy-bug, spider, thrips, black- and green-fly, mites, ants, and mildew. ½ pt. 35 cts., pt. 60 cts., qt. \$1.

LIME-SULPHUR, Concentrated Solution. Convenient to use, free from sediment, requires no preparation, other than stirring into water. One of the best remedies for San José Scale. Gal. \$1, 5 gals. \$3.25, bbl. \$12.

NICO-FUME, Liquid. An effective vaporizing liquid. ¼ lb. 75 cts., lb. \$2.

NICO-FUME, Paper. A nicotine preparation. Furnishes easiest method of fumigation. Box of 24 sheets, \$1.25; 144 sheets, \$5.

NICO-FUME, POWDER. For fumigating greenhouses; contains 12½ per cent nicotine. Lb. \$1, 5 lbs. \$3.75, 10 lbs. \$6.85.

PARIS GREEN. One of the oldest insecticides, very effectual in ridding potatoes of the potato beetle. Add 1 pound to 50 gallons of water. ¼ lb. 20 cts., lb. 45 cts.

PYROX, BOWKER'S. Pyrox is a powerful fungicide, also kills chewing insects. It is a strong poison insecticide combined with the copper fungicide. Pyrox is easy to use—just mix with water, and spray. It sticks to the foliage and gives lasting protection. It is a creamy paste, so smooth and fine that it goes through the finest nozzle without clogging. Lb. 50 cts., 5 lbs. \$1.75, 10 lbs. \$3, 25 lbs. \$6.25, 50 lbs. \$10.75, 100 lbs. \$15.50.

RAMEX. It is estimated that rats and mice consume grain each year in the United States alone to the value of more than \$10,000,000. Most of this waste can be saved if **Ramex** is given a chance. 75 cts.

SCALECIDE. Sure death to the San José scale. A soluble petroleum spray for use in orchards. It is economical, effective and acts as a fungicide. Qt. 75 cts., gal. \$1.75, 5 gals. \$6.25, 15 gals. \$13.50, 50 gals. \$38.

SLUG-SHOT. One of the best remedies for cabbage and currant worms. Apply as bought. Lb. 20 cts., 5 lbs. 65 cts.

SNAROL. The most satisfactory material ever used for the control of cutworms, snails, slugs, etc. Non-injurious to vegetation and very economical because of its insolubility in water, thereby rendering it effective for one to three weeks under ordinary conditions. Lb. 50 cts., 3 lbs. \$1, 15 lbs. \$3.75.

SULFOCIDE. A powerful fungicide for summer spraying. When sprayed, it quickly decomposes leaving a film of extremely fine sulphur. This sulphur is so fine as to be almost invisible except where drops accumulate. It is actually precipitated on the leaf as true colloidal sulphur, which is sulphur in its strongest fungicidal form. Qt. \$1, gal. \$2.75, 5 gals. \$8.75, 10 gals. \$15, 50 gals. \$60.

SULPHUR-DUST. Used on grapes as a fungicide. Lb. 10 cts., 100 lbs. \$4.50.

SUNOCO SPRAY OIL. An ever-ready, self-emulsifying, permanent spray material, for dormant and summer use. Ask for booklet of spray schedules and detailed information. Gal. \$1.25, 5 gals. \$5, 15 gals. \$10.50, 30 gals. \$18, 50 gals. \$25.

TEROGEN. A ground-dressing, fungicide, insecticide, and fertilizer for roses. To be applied in the fall for best results. Lb. 75 cts., 2 lbs. \$1.25, 5 lbs. \$2.75, 10 lbs. \$4.75.

TREE TANGLEFOOT. A perfect safeguard for trees against gypsy, brown-tail and tussock moths, canker worms, ants and all creeping things. It will remain sticky three months, fully exposed to the weather. Lb. 60 cts., 5 lbs. \$2.75, 10 lbs. \$5.25.

TOBACCO DUST. If dusted on while the foliage is moist, it destroys rose lice, cabbage and turnip fleas, etc. Spread upon the ground, it keeps off all earth insects, and is an excellent fertilizer. Lb. 20 cts., 100-lb. bag, \$5.

TOBACCO STEMS. For fumigating plants infested with green-fly, etc. 100 lbs. \$4.

VOLCK. A refined oil emulsion that may be used on the most tender foliage for controlling many sucking insects. Will not discolor foliage. ½ pt. 50 cts., pt. 75 cts., qt. \$1, gal. \$3.

WILSON'S O. K. SPRAY. A powerful, yet harmless and efficient insecticide. Equally good on house plants as well as in the garden. ½ pt. 40 cts., qt. \$1, gal. \$3, 5 gals. \$12.

SHERWIN-WILLIAMS**INSECTICIDES AND FUNGICIDES**

We have found Sherwin-Williams Spraying Materials to give best results for the particular requirements of this section. Our customers' experiences back this endorsement too.

**DRY LIME-SULPHUR**

A standard Lime-Sulphur Solution in dry, powdered form. Has all the advantages of liquid Lime-Sulphur with none of the disadvantages. The first and original dry product. Its endorsement by various experiment stations is the result of its effectiveness under test and in its successful use by many of the largest fruit growers in the country. Lb. 25 cts., 5 lbs. \$1.15, 12½ lbs. \$2.25, 50 lbs. \$7, 100 lbs. \$13.

DRY ARSENATE OF LEAD

The most widely used Arsenate of Lead on the market. It is unusually light, thus staying thoroughly in suspension during spraying operations and giving uniform strength. Has maximum killing power, quick action, and unquestionable effectiveness in controlling leaf-eating and chewing insects without danger of burning the foliage. Lb. 30 cts., 4 lbs. \$1, 100 lbs. \$20.

FUNGI-BORDO

A true Bordeaux Mixture in dry, powdered form, requiring only to be mixed with cold water to give the standard Bordeaux Mixture spray. Wide use of this material in this locality has proven this dry product to be



popular and all that is claimed for it. Lb. 30 cts., 4 lbs. \$1, 100 lbs. \$20.

PESTROY

A combination of Bordeaux Mixture and Arsenate of Lead in dry form. Saves time, trouble, and muss. Highly recommended for fruit trees, gardens, and potatoes. Lb. 40 cts., 4 lbs. \$1.20.

**SEED DISINFECTANTS****SEMESAN BEL**

An instantaneous dip disinfectant for seed potatoes.

4-oz. tin.....\$0 50	25-lb. pail.....\$31 25
1-lb. tin.....1 75	100-lb. drum.....120 00
5-lb. tin.....8 00	300-lb. drum.....345 00

Baskets for dipping, \$2 each.

CERESAN

A dust disinfectant for wheat, oats, barley and certain other cereals.

8-oz. tin.....\$0 50	25-lb. pail.....\$12 50
1-lb. tin.....2 75	100-lb. drum.....49 00
5-lb. tin.....3 00	300-lb. drum.....144 00

SEMESAN

A general disinfectant for many vegetable and flower seeds or bulbs, and certain plant diseases.

2-oz. tin.....\$0 50	25-lb. pail.....\$56 25
1-lb. tin.....2 75	100-lb. drum.....220 00
5-lb. tin.....13 00	300-lb. drum.....645 00

SEMESAN JR.

A dust disinfectant for seed corn.

4-oz. tin.....\$0 50	25-lb. pail.....\$31 25
1-lb. tin.....1 75	100-lb. drum.....120 00
5-lb. tin.....8 00	300-lb. drum.....345 00

Du Bay Seed Disinfectants are poisonous and owing to present Postal Regulations cannot be sent through the mails but must be sent by express or freight

Niagara Dust and Spray Materials

KOLODUST. A new sulphur dust that you can see stick through wind and rain. Extreme fineness of particles together with high toxic properties make Kolodust the superior fungicidal sulphur dust. Used for control of apple scab, brown rot and many other fungous diseases.

100-lb. bag.....\$5 85	25 lbs.....\$2 21
50 lbs.....3 43	

KOLOTEx. Same type of sulphur as Kolodust but combined with poison for control of chewing insects as well as diseases. Used in applications where poison is necessary. See booklet "When and How to Dust."

100-lb. bag.....\$8 15	25 lbs.....\$2 80
50 lbs.....4 57	

D-6 MIXTURE. The superior copper fungicide dust used for control of potato blight and various other fungous diseases on vegetables. Apply at the rate of 25-35 pounds per acre on potatoes. May be mixed with water to make a bordeaux spray.

100-lb. drum.....\$8 15	25 lbs.....\$2 80
50 lbs.....4 57	

D-18 MIXTURE. A combined copper fungicide and insecticide dust for control of potato beetle and other leaf chewing insects as well as disease. Apply at the rate of 25 to 35 pounds per acre. May be mixed with water for spraying purposes.

100-lb. drum.....\$10 85	25 lbs.....\$3 43
50 lbs.....5 93	

NIAGARA DRY MIX. The ideal summer spray for peaches, plums, etc., for control of apple scab, brown rot and other diseases. Will not burn when used at the rate of 8 pounds to 50 gallons of water. Mixes readily and stays in suspension.

100-lb. bag.....\$5 00	25 lbs.....\$2 00
50 lbs.....3 00	

NIAGARA SOLUBLE SULPHUR COMPOUND. The complete dormant spray. Destroys scale, controls peach leaf curl, kills aphid eggs in the cracked egg stage. Comes in dry form and dissolves readily in water. Solution has a soapy feeling. Dissolve 10 pounds in 50 gallons of water. It is also soluble in miscible oils where it is used at the rate of 3 to 4 pounds to 50 gallons of solution.

100-lb. drum.....\$9 50	25 lbs.....\$3 15
50 lbs.....5 25	

For Lawns
Gardens
Flowers
Shrubby
Trees

VIGORO

Specially prepared plant food

Clean
Odorless
Easy to Apply

For Gardening Success



Scientifically balanced and complete, Vigoro is a specially prepared plant-food. It contains all of the elements necessary to grow richly colored flowers, velvety lawns, succulent vegetables, luxuriant shrubbery, and healthy trees.

Vigoro is odorless and clean. It can be applied by hand just like grass seed.

Complete directions for applying Vigoro for all plants are contained in every bag. Vigoro should be used at the rate of 4 pounds per 100 square feet (10 ft. x 10 ft.) in the spring and fall. Use one-half this amount for summer feeding.

100-lb. bag	\$6 00	5-lb. pkg.	\$0 60
50-lb. bag	3 75	12-oz. pkg.	10
25-lb. bag	2 00		



WIZARD Sheep Manure

TRADE BRAND MARK

WILL MAKE YOUR PLANTS GROW TO PERFECTION

Best for Lawns, Gardens, Fruits, and Vegetables

The real secret in making plants grow to perfection lies in preparing a rich, fertile soil. Plants require a generous supply of plant-food and a loose, mellow soil to develop their real beauty. So, if you want a beautiful lawn and garden or big profitable crops, be sure to make your soil rich and fertile.

Wizard Sheep Manure is a highly concentrated, weedless, pure manure that makes all plants grow to perfection. It is not a stimulant but is a real soil-building plant-food, safe and dependable for every use. It supplies the necessary plant-food and humus to put new life into wornout soils. Wizard is economical—**one bag equals a whole wagon-load of stable manure**. It has a lasting, beneficial effect on the soil. Everybody—amateur or professional, can get wonderful results with Wizard.

Flower-Gardens. Luxuriant green foliage and a wealth of vivid colored flowers will result if you feed your plants with Wizard. In making new plantings, be sure the soil under the roots is made rich and fertile. Light applications during the growing season will put new life into your plants and prolong the blooming period. A handful mixed well with the soil under each new plant will insure

strong, rugged growth. Broadcast 10 pounds to 100 square feet of garden soil.

Lawns. Wizard Sheep Manure produces thick, velvety green lawns of lasting beauty. Make an application early in spring and, if possible, again in fall, and you will be surprised at the new beauty it will develop. On new lawns, broadcast 10 pounds to 100 square feet and rake into the surface soil. To renew old lawns, rake well and broadcast 6 to 10 pounds per 100 square feet. Avoid weeds and rubbish by using Wizard.

Vegetables and Fruit. If you want a big crop of crisp tender vegetables, be sure to use Wizard. Every practical gardener knows that there is nothing better than manure to grow big crops of vegetables. Fruit crops respond quickly to this natural plant-food. It improves the yield, color, and flavor.

Florists. Wizard Sheep Manure has been the florists' standard of quality for twenty years. For feeding and liquid manuring it is unexcelled. Safe and dependable for all crops grown under glass or in the field. You need manure to grow plants at a profit and it pays to use Wizard.

PRICES: 5 lbs. 40 cts., 10 lbs. 75 cts., 25 lbs. \$1.25, 50 lbs. \$1.75, 100 lbs. \$3

**Don't Waste Your Time and Money by Planting in Hard, Wornout Soils.
Insure Success by Using Wizard**



Grown by the use of Darling's Potato Fertilizers

DARLING'S FERTILIZERS

Darling's Animal Fertilizer

Our Animal Brand is a complete fertilizer for all crops, having a strong analysis of plant-food. No mistake can be made in using this brand. Complete and well balanced, the above Fertilizer may be depended on to raise any crop on which it is used. 100-lb. bag \$3.

Potato and Root-Crop Manure

This Manure is well established with potato-growers, and for all root crops is considered one of the best-balanced fertilizers ever sold. Being composed of the very best materials, it will carry your crop to maturity without becoming exhausted. 100-lb. bag \$3.50.

Farm Favorite

The highest-grade low-priced fertilizer on the market, and for all crops above ground will give good results. 100-lb. bag \$2.50.

Darling's Pure Fine Bone

Contains from 20 to 25 per cent of pure phosphoric acid, and 3 to 4 per cent ammonia. Is the very best material from which phosphoric acid can be obtained. 10 lbs. 50 cts., 25 lbs. \$1.25, 50 lbs. \$2.25, 100 lbs. \$4.

Darling's Lawn Dressing

There is a call at the present time for a commercial fertilizer to be used on the lawn. Stable manure is objectionable, as it is bulky, containing a large amount of refuse material. It also contains the seeds of many weeds and obnoxious grasses that are difficult to root out when once they have gained a foothold. By the use of this fertilizer, all these objections are removed. Will produce an excellent growth of rich green grass. 10 lbs. 50 cts., 25 lbs. \$1.25, 50 lbs. \$2.25, 100 lbs. \$4.

ACID PHOSPHATE

Guaranteed 16 Per Cent Available Phosphoric Acid

Acid Phosphate is recommended for all grain and grass crops, cowpeas, soy or soja beans, and for applying to lands deficient in phosphoric acid. Beneficial results follow the addition of Acid Phosphate to stable and barnyard manure, all manure being deficient in phosphoric acid but high in ammonia, the mixture giving a better balanced plant-food. 100-lb. bag \$2.

NITRATE OF SODA

The most readily available form in which nitrogen can be had. Largely used for forcing vegetables, strawberries, etc., for applying to grass fields after each cutting, producing a strong, healthy growth and wonderfully increasing the yield. 25 lbs. \$1.50, 50 lbs. \$2.50, 100 lbs. \$4.

MURIATE OF POTASH

A popular form of the essential potash salts. It produces a very beneficial effect when applied to hay or pasture fields at the rate of 100 to 150 pounds to the acre. All root crops, potatoes, beets, turnips, and the like require a large proportion of potash in order to develop properly. 100 lbs. \$3.80.

SULPHATE OF AMMONIA

The most highly concentrated form in which this very important plant-food element is obtainable. It should therefore be used with caution and preferably mixed with other fertilizers, using not over 125 pounds of the Sulphate to the acre. 100 lbs. \$4.25.

LAND LIME

Ready for immediate distribution, or will keep indefinitely when stored in a dry place. 50-lb. bag, 75 cts. Car-lots on application.

PURE CANADA UNLEACHED HARDWOOD ASHES

Wood ashes is one of the best fertilizers for top-dressing lawns, grass lands, and seeding down, imparting a rich, dark shade of green, destroying insects and weeds, particularly moss; also for fruit of all kinds, especially strawberries, peaches and apples. 100-lb. bag, \$2.

ADCO

A powder which, when mixed with almost any non-woody vegetable waste and kept moist, gradually converts the mass into real manure equal to the farmyard product in fertilizing power, but free from foul odor, flies, weed seeds, etc. 25-lb. bag, \$2.

PEAT MOSS

Excellent for mulching roses, shrubbery, and evergreens, also excellent for lawns. Large bale, \$4.50; trial bale, \$1.50.

FLORANID (Urea)

The strongest plant-food known—very active, entirely soluble, containing 46 per cent nitrogen. When blossoms appear, then use **Floranid** in small quantities. It develops the blossoms, brings them to healthy maturity, gives bright colors, and puts a wonderfully brilliant green into leaves. Lb. 50 cts., 5 lbs. \$1.50, 25 lbs. \$5, 50 lbs. \$9.

NITROPHOSKA

A complete fertilizer, very concentrated, therefore a little goes a long way. An ideal plant-food for general growth, having a composition of 15 per cent Nitrogen, 30 per cent Phosphoric Acid, 15 per cent Potash. Ideal for greenhouse and potted plants; for all flowers; for lawns; vegetables—wherever plant-food is needed. Lb. 50 cts., 5 lbs. \$1.25, 25 lbs. \$4, 50 lbs. \$6.

CARBOLA

Is a white mineral pigment ground so fine that it needs no straining. This powder is combined with the best and most powerful disinfectant manufactured. Mix with water and apply with brush or spray pump on poultry-houses, dairy-barns, cellars, etc. Wonderful for fighting insects on flowers and vegetables. 5 lbs. 75 cts., 10 lbs. \$1.25, 50 lbs. \$5.

SOILTEX

Tells what your soil needs. A new, quick, accurate soil-testing method that determines exactly in a few minutes whether your soil is acid and how much lime it needs. Pocket-size soil-testing outfit, with color chart and lime table, \$1.



Individual hothouses for every plant

“Germāco Hotkaps”

“Hotkaps” bring crops to *earlier* maturity. Many write us that they have been first to market by from one to three weeks, and as a result have been able to get higher prices.

Farmers quickly appreciate them. Once you’ve tried them, you’ll *always* use them. They afford the best crop insurance, and bring you more profit. Ask for special circular.

Single cartons containing 1000, \$11.50; 5 cartons, \$11 each; 10 cartons, \$10.75 each; 250 in trial packages including Garden Setter, \$4; 100 in Home Garden Package, with Setter and Tamper, \$2.50; Garden Package, \$1; Standard Germaco Hotkap Steel Setter, \$2.50

Extra charge for Parcel Post delivery

NEPONSET PAPER FLOWER POTS

Size	Doz.	100	Size	Doz.	100
2 1/4-inch.....	\$0 08	\$0 50	3 1/2-inch.....	\$0 15	\$1 00
2 1/2-inch.....	10	60	4-inch.....	20	1 25
3-inch.....	12	75	5-inch.....	25	1 75

PLANT STAKES, Tapering, Painted Green

Length	Doz.	100	Length	Doz.	100
2 feet.....	\$0 45	\$3 50	4 feet.....	\$1 25	\$9 00
2 1/2 feet.....	70	4 50	5 feet.....	1 75	12 00
3 feet.....	90	6 00	6 feet.....	2 00	14 00

CANE STAKES

These are light, strong, and durable.

Stained Green	100	100
1 1/2 feet.....	\$0 50	2 1/2 feet..... \$0 80
2 feet.....	65	3 feet..... 1 00

Natural, Heavy. 4 ft., doz. 60 cts., 100 \$4.50; 5 ft., doz. 75 cts., 100 \$5.75; 6 ft., doz. \$1, 100 \$6.25.

LABELS, WOOD

Pot—	Painted	1000	Garden—	Painted	1000
4-inch.....	\$0 25	\$2 00	8-inch.....	\$1 00	\$7 40
4 1/2-inch.....	30	2 10	12-inch.....	1 50	11 40
5-inch.....	35	2 20	3 1/2-in. Tree,		
6-inch.....	40	2 50	copper wired	35	2 50

BASKETS

Peach. Per 100, 4-qt., \$7; 8-qt., \$7.50; 16-qt., \$8.
Till Baskets. Per 100, 2-qt., \$2; 3-qt., \$2.50; 4-qt., \$2.75.
Strawberry, Raspberry, and Huckleberry. All \$1 per 100.
 Prices for larger quantities on application. A full line of Baskets of every description for Farm and Store use.



Tomato plants nine weeks old. Planted with same seed. The increased yield for Mulched Tomato plants is over 44 per cent

GATOR HIDE MULCH PAPER

Unrolled over the proposed plant-beds, and anchored by soil or other available material along the edges, Gator Hide Mulch Paper imprisons all the moisture in the soil. It catches and retains the sun’s heat. This raises the soil’s temperature, prevents cooling at night, and promotes continuous bacterial activity, liberating night and day nitrous food matter for the plant, producing bigger, better, and earlier crops.

Planting is done through holes made in the paper, or in the space between two strips of paper rolled out close together. Ample space is provided for plants, but none is left for weeds; nourishment the latter usually steal from soil is saved for crops.

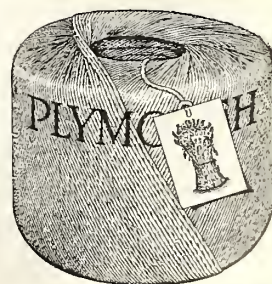
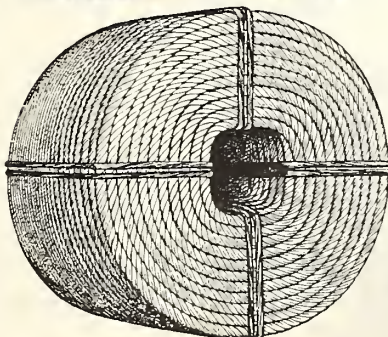
Type A—for Annuals—in primary field culture: 18-in. wide, 300 linear yards to the roll, \$3.50; 36-in. wide, 300 linear yards to the roll, \$7.

Type B—for Perennials in field culture and all garden work: 18-in. wide, 150 linear yards to the roll, \$3.50; 36-in. wide, 150 linear yards to the roll, \$7.

Garden package \$1.

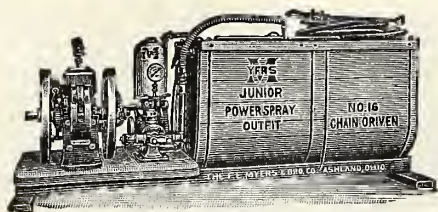
FRUIT JARS AND JELLY TUMBLERS

These we handle by the carload and always sell at the lowest market price.



MANILA ROPE AND BINDER TWINE

Made by the Plymouth Cordage Co., and is known all over the world for quality and durability. Market price.



250 Pounds Pressure

NO. 16 MYERS JUNIOR CHAIN-DRIVEN POWER SPRAY OUTFIT

Fitted with 2-inch Horizontal Double-Acting Force Pump

EQUIPPED AS FOLLOWS:

One Myers Spray Gun; 50 ft. $\frac{1}{2}$ in. Myers High Pressure Spray Hose, with fittings complete; double cut-off for discharge line; pressure gauge; agitator; relief valve; strainer; suction hose.

No. 16. Myers Junior Spray Outfit complete with 100-gallon Tank, No. 581 Double Acting Spray Pump with chain and sprockets, equipped above. **Engine not included in this list.** \$135. With Engine, \$210.

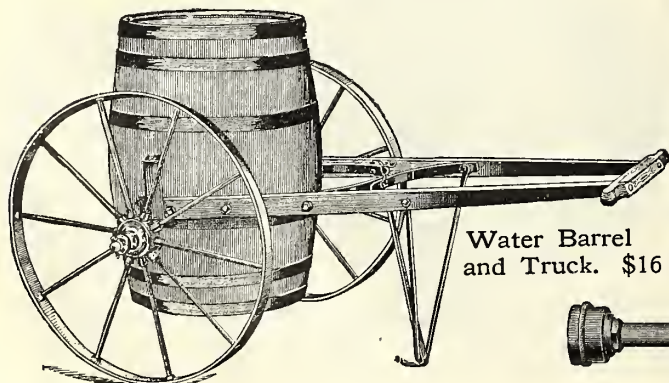


LEGGETT'S DRY POWDER GUN

With tubes, nozzles, straps, etc. Most improved method of distributing dry insecticides over potato vines, vegetables, grapes, bushes, etc. By leaving a slight opening in the slots at bottom of reservoir, the faintest smoke of powder can be forced from the gun. Will cover two rows at a time. \$15.

CYANOGEN DUSTER

High pressure Duster for rat and mole-extermination work. Forces Cyanogas A-Dust cloud deep into underground passages. Holds one full pound of Dust. \$6.



Water Barrel
and Truck. \$16

FEENY DUSTER

A reliable hand Duster for any kind of insecticides in powder form. We recommend it for the family garden.

The ideal time for making dusting applications is early in the morning or late in the evening, when the wind conditions are quiet and when there is slight dew or moisture to assist in sticking the tiny particles of dust to surfaces. \$1.



NIAGARA HAND DUSTER

Many growers have an acreage insufficient to warrant the purchase of a large Duster, yet some kind of an inexpensive, practical device must be procured for the application of insecticides and fungicides to growing crops in order to protect them from injurious pests. It is for these growers that the Niagara Blower Dust Gun is especially designed. \$25.

NIAGARA ORCHARD DUSTER

This is a light-weight orchard dusting machine adapted for small acreages of the leading orchard fruits, or for small trees. It is extremely light in weight, easily handled, and will fill a real need of small orchardists. Duster \$148, Engine \$215, Truck \$70.

NO. 339B MYERS PORTABLE SPRAYER

The Myers Portable Sprayer with 6-gallon Air Chamber, which assists in keeping up a steady spray with less effort by the operator. It will hold the pressure and continue to spray for several minutes while the operator leaves the pump to cover nearby trees.

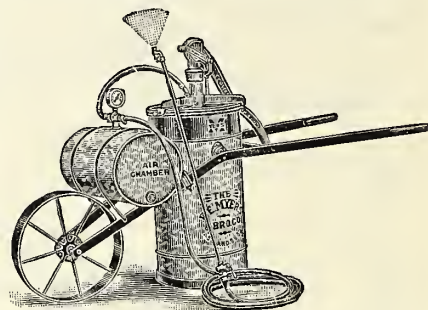
Pump is fitted with cog-gear handle, is securely attached to the tank by means of a clamp connected direct to the channel iron that surrounds the top of the tank, held in position by one thumb-screw.

Outfit is complete with dasher agitator, hose, and an 8-foot pipe extension, in two 4-foot parts, which adapts it for spraying large trees and also for use in whitewashing buildings, etc.

Tank is made of heavy galvanized iron thoroughly reinforced at top and bottom by steel bands. Hung in the frame on trunions. $12\frac{1}{2}$ -gal. capacity.

The wheel and handles are made of wrought steel thoroughly braced. Wheel is $15\frac{1}{2}$ in. in diameter, with 3-in. tire.

Complete as shown, \$40.

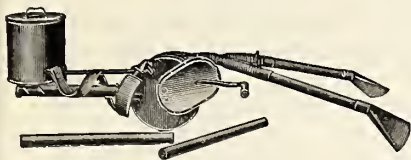


MYERS SPRAY GUN

This Spray Gun discharges a wide spray which practically covers the tree at one shot. This broad spray is produced from the long-distance spray shown below by a slight turn of the handle. A further turn shuts off the spray entirely when you are ready to move to the next tree. \$6.



Myers Spray Gun

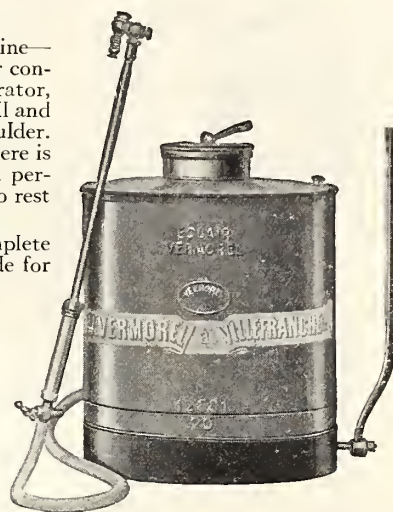
**PEERLESS DUSTER**

The Peerless is a perfectly balanced machine—the load is divided front and rear. The hopper containing the material is in the rear of the operator, and the crank is directly in front, allowing a full and free arm movement without straining the shoulder. It can be easily adjusted to any size man. There is a body support attached to a universal joint, permitting the operator to direct the gun to a wide range of action, and allowing the machine to rest in a comfortable position.

The Peerless is adaptable for dusting all ground crops and fruit trees. It has a very complete set of interchangeable parts, and with the metal flexible joints a set-up can easily be made for any job. \$25.

VERMOREL ECLAIR NO. 1 KNAPSACK SPRAYER

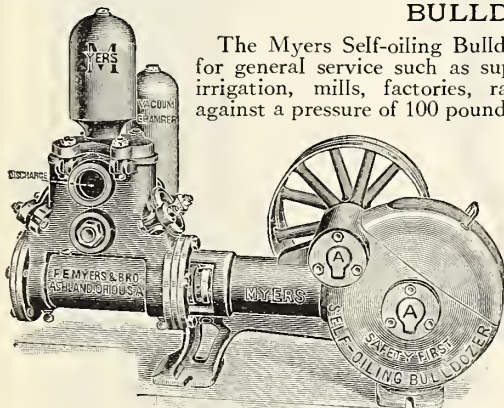
Simple and compact in construction. Reliable and efficient to the highest degree. A small Sprayer that will do a big job, and do it right, with the least effort. No plunger; no complicated mechanism. Makes spraying a pleasure instead of a drudgery. \$20.



Vermorel Knapsack Sprayer

BULLDOZER PUMP

The Myers Self-oiling Bulldozer Pump is made in the largest size, for general service such as supplying water in large quantities for irrigation, mills, factories, railway tanks, stations, villages, etc., against a pressure of 100 pounds or an elevation of 230 feet.



Bulldozer Pump

The power end consists of a one-piece casting which forms the base of the Pump and oil-reservoir, and in connection with a lid encloses all working parts, protecting them from dirt or injury and securing safety of operation. This casting is completely machined at one setting for all bearings, the crosshead, cylinder head and shaft bearings insuring alignment of all working parts. The pinion and gear are mounted between double bearings A—these bearings are renewable. Ask for price.

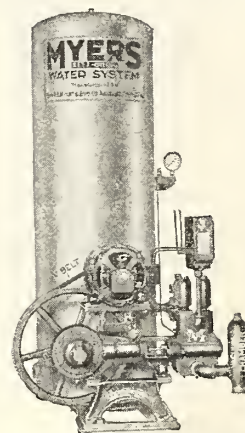
MYERS ELECTRIC HOUSE PUMP (PATENTED)

This Pump is self-oiling, motor-driven, automatically controlled, economical, and efficient. It is designed for operation from any kind of city current or from farm lighting and power systems.

Can be used in cisterns or shallow wells up to 22 feet in depth and is 90 per cent efficient. Has oil-level overflow. Capacity 250 and 300 gallons per hour.

Of all the methods of obtaining water for the home, this one requires the least attention and is economical and highly satisfactory.

Convenient, quiet, safe, sure, it is easily installed and will furnish an abundant water-supply for any home. Either direct or with tank, ask for prices.



Myers Electric House Pump

MARCH AUTOMATIC RAINMAKER

Sprinkles rectangles, not circles. Covers large areas rapidly without overlapping, and is quickly adjusted to water small spaces.

Sprinkles along edge of walks or drives without wetting them.

Ordinary water-pressure from lawn hose turns the pipe-line of nozzles as an axis, throwing the streams of water from one side over to the other with a constant, steady swing.

Thousands in use on city lawns, large estates, golf courses, cemeteries, and parks.

Made in four sizes—Watering from 1200 to 3000 square feet at a setting.

Write for prices and literature.

Niagara Dusts and Spray Materials are guarantees of good crops and salable produce. Insects and fungous diseases must be controlled if men are to live.



March Automatic Rainmaker

Goods delivered without extra charge locally. Orders by mail or telephone receive the same attention as a personal order



DOUBLE BOTTOM -- DOUBLE STRENGTH

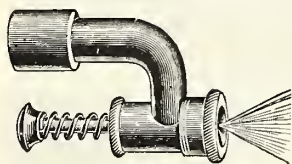
(both over-size), meeting all demands for this style of Sprayer.

The tank is made of heavy galvanized iron or brass and the side walls are double seamed, riveted, and soldered, while the top and bottom are extra-heavy material with flanged edge over which the side walls are turned and thoroughly soldered. It has 1 3/4-inch brass tube cylinder. The nut is operated by lugs on the lower part of the handle, which engage in opening at the top of the nut. By means of the lugs on the handle the nut can be screwed tightly to the top of the tank, and at the same time lock the plunger in position, and also permits of the tank being carried by the handle when desired.

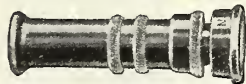
The 45-degree nozzle and 20-inch brass extension furnished without extra charge are so constructed that the nozzle can be attached to the end of the brass rod or direct to the connection at the end of the hose, giving the advantage of 45-degree discharge either way.

The valve is simple and effective. Can be instantly removed for repairs.

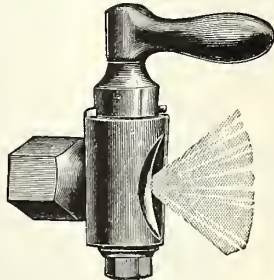
Myers 4 1/4-gal. Compressed-Air Sprayer, with 20-inch brass extension rod and brass tank, \$10.50; 2 1/2-gal. galv. tank \$5.50.



Vermorel Nozzle



Boston Graduating Nozzle



Bordeaux Nozzle

HOSE NOZZLES

Bordeaux Nozzle. The simplest and best combination spraying Nozzle on the market. It throws a solid stream or a fan-shaped spray, adjustable to any fineness; is readily degorged by turning the cock handle. It will also throw a long-distance coarser spray for spraying very large trees; or it may be shut off altogether—features possessed by no other spray Nozzle. For 1/4-in. pipe. \$1.

Vermorel Nozzle. Very simple in construction and throws a finer spray than any nozzle in use. For 1/4-in. pipe. \$1.

Rain King. \$1.50.

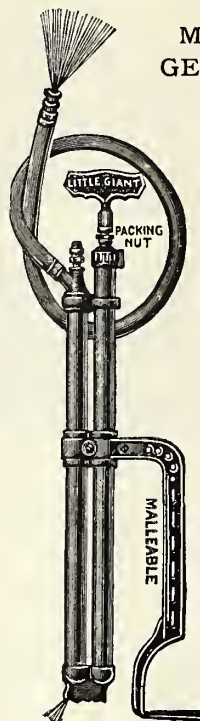
Boston Graduating. Throws solid stream or spray. For 3/4-in. hose. 75 cts.

NO. 22 BANNER COMPRESSED AIR SPRAYER

This Sprayer is adapted for all spraying purposes. It cannot be excelled for spraying garden vegetables, plants, shrubbery, trees, flower-beds, whitewashing, and disinfecting poultry-houses, stables, cellars. In fact, will spray anything in liquid form and is easily operated by man or boy. Full directions and spraying calendar with each Sprayer. Galvanized \$6. Brass \$9.

MYERS COMPRESSED AIR SPRAYER

The Myers Compressed Air Sprayer is built in two sizes, 2 1/2 and 4 1/4 gallons capacity



Bucket Spray Pump

MYERS BUCKET SPRAY PUMP WITH AGITATOR

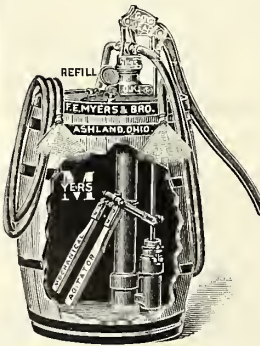
This Spray Pump is constructed entirely of brass, a material that is not affected by the poisonous arsenites used in different formulas for spraying fruit trees, vines and shrubbery. \$4.30.

MYERS DOUBLE-ACTING COG-GEAR COMPLETE SPRAY PUMP OUTFIT R-316B

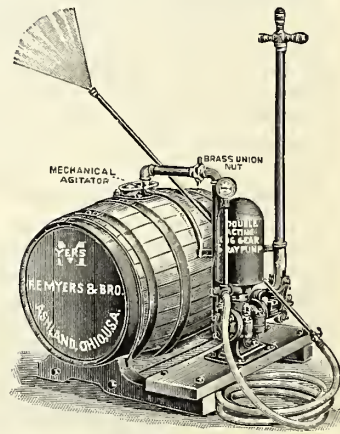
Mounted on skids with 50-gallon barrel, with pressure gage, one 15-foot lead of 1/2-inch 7-ply discharge hose, one Fembro nozzle, one 8-foot pipe extension with lever shut-off, and mechanical agitator. Cog-gear movement, increased leverage adapted for spraying under heavy pressure. Capacity sufficient for eight nozzles, adapted for spraying potatoes. \$54.

MYERS O. K. COG-GEAR SPRAY PUMP R-308

For hot, cold, or any kind of mixture. Sold as a plain Pump, if desired, or with one length of hose, mounted in barrel. Plain Pump, \$21.50.



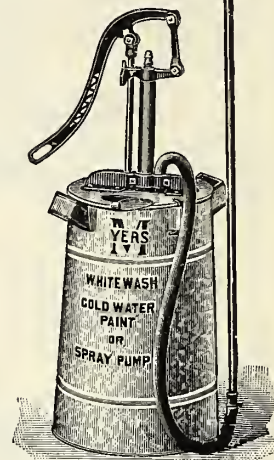
Myers O. K. Spray Pump



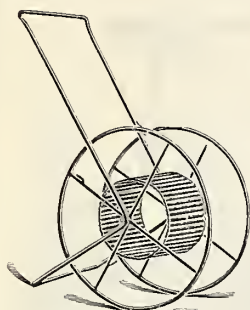
Myers Double-Acting Spray Outfit

MYERS WHITEWASH AND GENERAL-PURPOSE SPRAYER

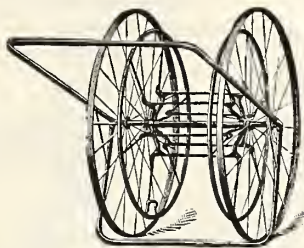
The tank is made of heavy galvanized iron with a wide bottom so as to sit steady in operation; has both jet and dasher agitators; holds 7 gallons. \$13.



General-Purpose Sprayer



Steel Hose Reel



Park Hose Reel

HOSE REELS

Park No. 30. A tubular iron reel and frame, on steel wheels. For parks, lawns, and greenhouses. \$7.50.

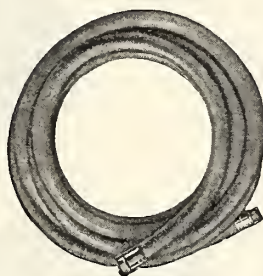
Nos. 10 and 20 Steel Hose Reels. These are practically the same except in size. \$4 and \$4.50.

GARDEN HOSE

A full line; best grades. Prices from 13 cts. to 20 cts. per foot. Guarantee with most of them.



Wood Pump



Garden Hose

RATCHET-HANDLE FORCE PUMP

No. R1072. Capacity, 440 gallons per hour. Has a 3-inch brass-lined cylinder, with glass seat; tapped for 1 1/4-inch pipe. \$13.

BATES WELL CURB

Much used in the suburbs and country villages as the best method for drawing water from wells.

Curb, complete, including rope, chain and bucket. \$35.



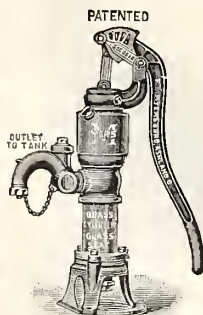
Chain Pump

CUCUMBER WOOD PUMPS

6 feet long.....	\$8 50	10 ft. long...	\$11 50
7 feet long.....	9 25	Pipes, per ft.	30
8 feet long.....	10 00	Couplings...	90

RUBBER-BUCKET CHAIN PUMP

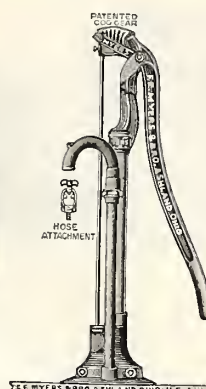
Complete for 10-foot well, \$7. Curb, \$4; chain (3 ft. to lb.), 10 cts. per lb.; wood tubing 12 cts. per ft.; rubber buckets, 10 cts. each.



House Force and Lift Pump



Myers Cog-Gear Pitcher Pump



Myers Pump No. 5



Myers Pump No. 8

MYERS PUMPS

Anti-Freezing Force

No. 8. For wells under 25 feet. Has a 3 1/2-inch brass-lined cylinder, 4 feet below the platform, fitted with expansion plunger bucket and patent glass valve-seat, tapped for 1 1/2-inch suction pipe. \$16.

No. 5. For wells from 25 to 70 feet deep. Capacity, 440 gallons per hour. Has a 3-inch brass-lined lower cylinder, with latest improved glass valve-seat and plunger, capped outside, tapped for 1 1/4-inch pipe. \$17.

SINGLE-ACTION, ADJUSTABLE BASE

Has a 3-inch brass-lined cylinder, with glass seat; tapped for 1 1/4-inch pipe. \$11.50.

Has a 3 1/2-inch brass-lined cylinder, with glass seat; tapped for 1 1/2-inch pipe. \$13.

HOUSE FORCE AND LIFT

No. R251. Has brass upper and 3-inch brass lower cylinder, with patent glass valve-seat; tapped for 1 1/4-inch suction pipe. \$9.

No. R253. Has brass upper and 3 1/2-inch brass lower cylinder, with patent glass valve-seat; tapped for 1 1/2-inch suction pipe. \$10.50.

THE MYERS COG-GEAR PITCHER PUMP

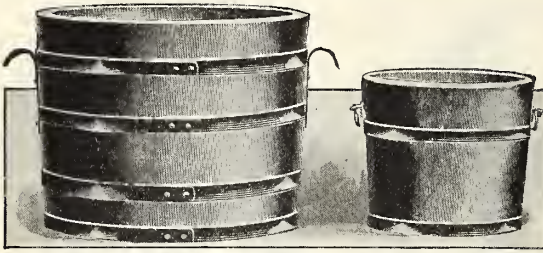
Fitted with Brass Valve-Seat

No. R416. Has 3-inch polished cylinder; tapped for 1 1/4-inch pipe. \$4.25.

No. R418. Has 3 1/2-inch polished cylinder; tapped for 1 1/2-inch pipe. \$5.25.

Nelson. 1 1/4-in. pitcher. \$2.25.

Red Cross. 1 1/4-inch force pump. \$6.50.

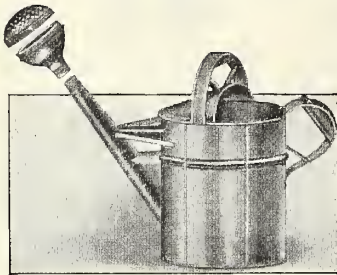
**CEDAR PLANT TUBS**

Painted green; strongest and most durable Plant Tub made.

Diam.	Top outside	Height outside	Each
No. 1.....	28 inches.....	22 inches.....	\$13 20
No. 2.....	26 inches.....	20 inches.....	11 00
No. 3.....	24 inches.....	18½ inches.....	6 90
No. 4.....	22 inches.....	17 inches.....	5 60
No. 5.....	20 inches.....	16 inches.....	4 70
No. 6.....	18½ inches.....	15 inches.....	3 75
No. 7.....	16½ inches.....	14 inches.....	3 25
No. 8.....	15½ inches.....	13 inches.....	2 75

RICHMOND PLANT TUBS

No.	Each	No.	Each
No. 6.....	\$1 50	No. 8.....	\$2 25
No. 7.....	1 75	No. 10.....	3 00

**WATERING POTS****Central Galvanized.**

4-quart.....	\$0 65	10-quart.....	\$0 90
6-quart.....	75	12-quart.....	1 00
8-quart.....	85	16-quart.....	1 25

Dover.

6-quart.....	1 00	10-quart.....	1 25
8-quart.....	1 15	12-quart.....	1 35

English Style for Greenhouses.

4-quart.....	\$3 50	8-quart.....	4 00
6-quart.....	3 75	10-quart.....	4 50

Parlor, Painted.

1-quart.....	35	2-quart.....	45
Long spout, 4-quart.....			1 25

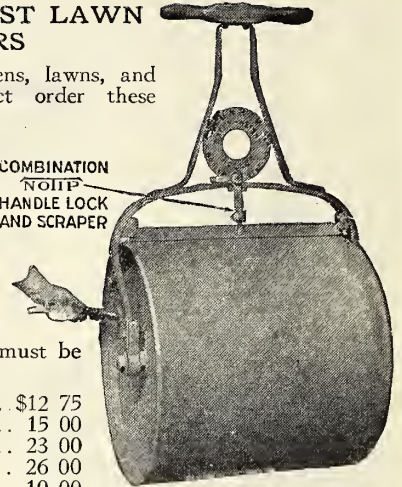
R. F. D. MAIL BOX

Approved by the Postmaster General. Made of heavy gauge galvanized steel, aluminum painted outside. Equipped with red signal, swinging shutter in door for letters, and padlock pocket.

Length, 23 in.; width, 11 in.; height, 15 in. \$3.

**WATER-BALLAST LAWN ROLLERS**

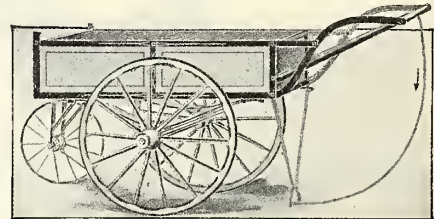
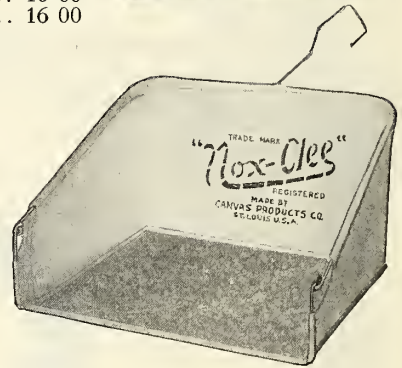
For keeping golf-greens, lawns, and tennis-courts in perfect order these Rollers are invaluable. When the ground is soft they may be used empty, and in dry weather, when all others are useless, they can be filled with water and worked effectually. The advantage of having in one Roller either a heavy or light implement at pleasure must be obvious to everyone.

COMBINATION
NOTIF
HANDLE LOCK
AND SCRAPER

No. 601.	148 lbs.....	\$12 75
No. 602.	274 lbs.....	15 00
No. 603.	418 lbs.....	23 00
No. 604.	590 lbs.....	26 00
No. 605.	148 lbs.....	10 00
No. 606.	274 lbs.....	16 00

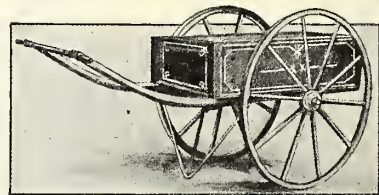
GRASS CATCHER

For all sizes Lawn Mowers; from 85 cts. to \$1.50.

**THREE-WHEEL HAND CART
(With springs)**

Body 43 inches long, 28½ inches wide, 10 inches deep, outside measurements. \$21.

Ask for specifications and prices of other styles.

**TWO-WHEEL HAND CART
(Without springs)**

Body 43 inches long, 28½ inches wide, 10 inches deep, outside measurements. \$23.

SHEARS

Hedge, Border, Pruning, and Grass



French



No. 104



Wood Handle

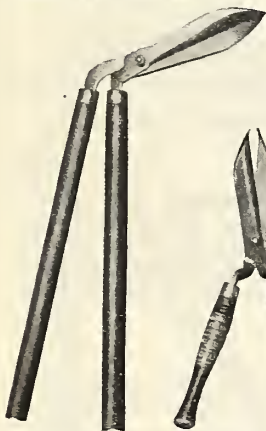


Sheep

Hand Pruning Shears

Boker No. 7328. \$1.
Boker No. 104. \$1.25.
Boker No. 103. \$1.75.
Boker No. 202. \$1.

H. & A. No. 30. 75 cts.
Wood Handle. \$1.75 to \$3.50.
McKenny. \$3.50 and \$4.50.
French. \$2 to \$2.75.
Sheep. 50 cts. to \$1.25.



Border Shears



Hedge Shears 100



Lee's



Hedge Shears 101

Hedge Shears

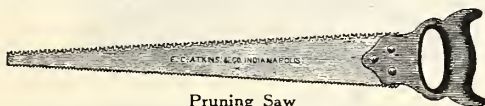
No. 101. 7-in., \$1.75; 8-in., \$1.90; 9-in., \$2.10; 10-in., \$2.25.
No. 100. 6-in., \$1.40; 9-in., \$1.90; 10-in., \$2.25.

Border Shears

No. 105. 9-in., \$4.25; with wheel.
No. 104. 9-in., \$3.50; without wheel.

Long-Handled Pruning Shears

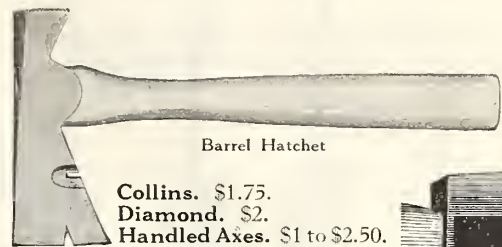
Lee's. 6-ft., \$1.25; 8-ft., \$1.50; 10-ft., \$1.75; 12-ft., \$1.85;
14-ft., \$2; 16-ft., \$2.25.



Pruning Saw

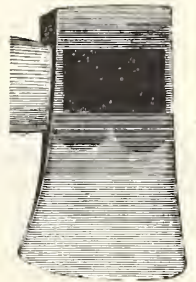
SAWS

Cross-Cut, Two-Man, Simonds'. Filed and set ready for use.
5-ft., \$6.25; 5½-ft., \$7. Handles, 75 cts. per pair.
Cross-Cut, One-Man, Simonds'. With supplementary
handles. 3-ft., \$2.75; 3½-ft., \$3.25.
Pruning. \$1 to \$2.50.



Barrel Hatchet

Collins. \$1.75.
Diamond. \$2.
Handled Axes. \$1 to \$2.50.
Ice Hatchet. \$3.
Barrel Hatchet. \$1.25.



Axe

AXES

Our sales of Axes are quite an item in our business, and for years we have been known as headquarters for them. We carry all grades, but make a specialty of the best.



PICKAXES

Railroad, Flat One End. \$1.
Contractors', Double-point. \$1 25.



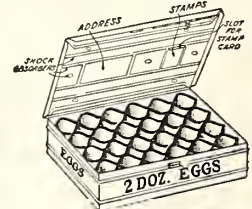
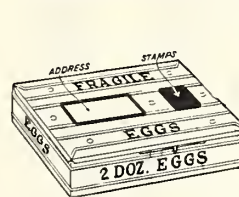
Grub or Bog Hoe



MATTOCKS

Long Cutter. \$1.
Pick, One End. \$1.
Grub or Bog Hoe. 75 cts. to \$1.25.

PARCEL POST METAL EGG-CRATES

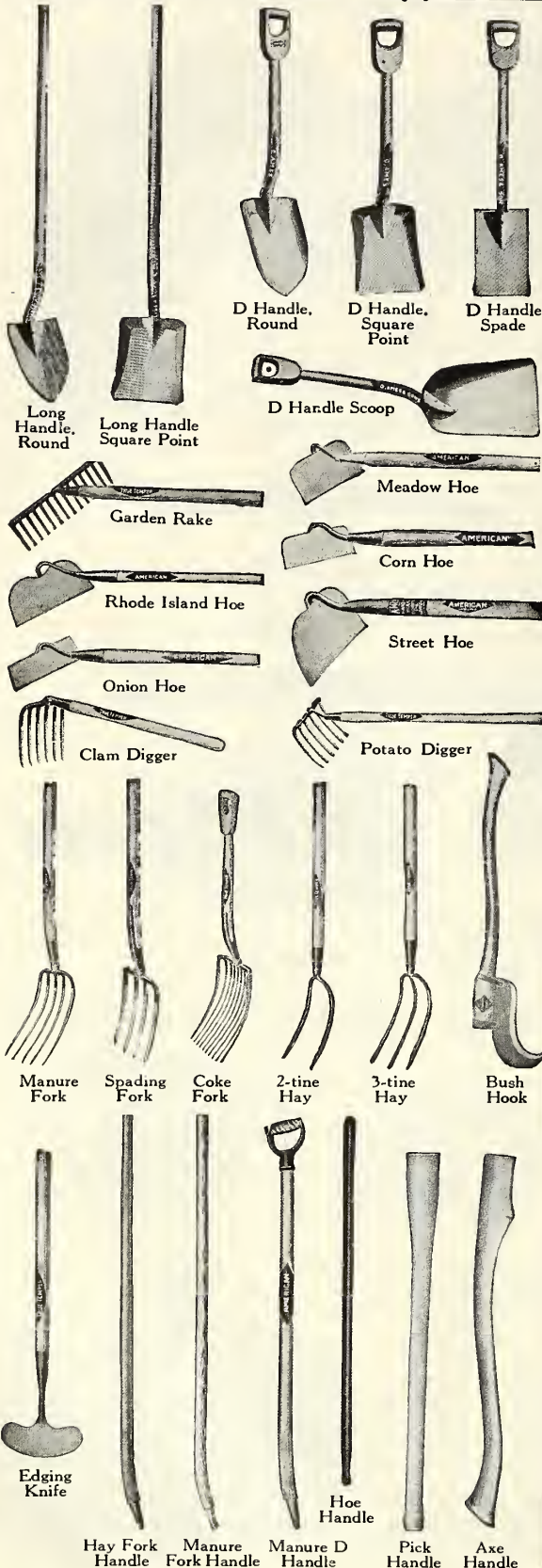


The aluminized Metal Egg-Crate has proved itself, to its thousands of users, to be the only practical idea for shipping eggs by Parcel Post.

	Weight Empty	Postage		Price
		Empty	Filled	
2-doz. size	3 lbs.	\$0 09	\$0 12	\$1 50
3-doz. size	4 lbs.	10	14	1 75
4-doz. size	5 lbs.	11	17	2 00
6-doz. size	6 lbs.	12	21	2 50

The above postage rates apply up to 150 miles.

Good tools make easy work. They can be given a good edge and keep it. Inferior tools are always more bother than they are worth.



STEEL GOODS

Our department in this line is one of the largest in New England and embraces a much larger variety than shown in this catalogue. We are jobbers as well as retailers, and you can depend on quality as well as reasonable prices.

SHOVELS

Long Handle, Round Point. Each	D Handle Spade. Each
Ames.....\$2 00	Ames.....\$2 00
What Cheer.....1 25	What Cheer.....1 25
Bissell.....1 00	Bissell.....1 00
Long Handle, Square Point.	D Handle Scoops.
Ames.....2 00	Ames, No. 2 Polished.....2 00
What Cheer.....1 25	No. 3.....2 10
Bissell.....1 00	No. 4.....2 15
D Handle, Round Point.	No. 5.....2 20
Ames.....2 00	No. 6.....2 25
What Cheer.....1 25	No. 7.....2 30
Bissell.....1 00	Sanderson's, No. 2 Black..1 50
D Handle, Square Point.	No. 3.....1 55
Ames.....2 00	No. 4.....1 60
What Cheer.....1 25	No. 5.....1 65
Bissell.....1 00	No. 6.....1 70
	No. 7.....1 75

GARDEN RAKES

10-tooth, 85 cts.; 12-tooth, 90 cts.; 14-tooth, 95 cts.; 16-tooth, \$1; 18-tooth, \$1.10.

HOES

Rhode Island Pattern. All sizes.	Onion. 90 cts.
90 cts. to \$1.25.	Stable, \$1.25; Street, \$1.25.
Meadow Pattern. All sizes.	Clam Digger. R. I. Pattern.
90 cts. to \$1.25.	\$1.50.
Corn. \$1.	Potato Digger. 6-tine, \$1.25.

FORKS

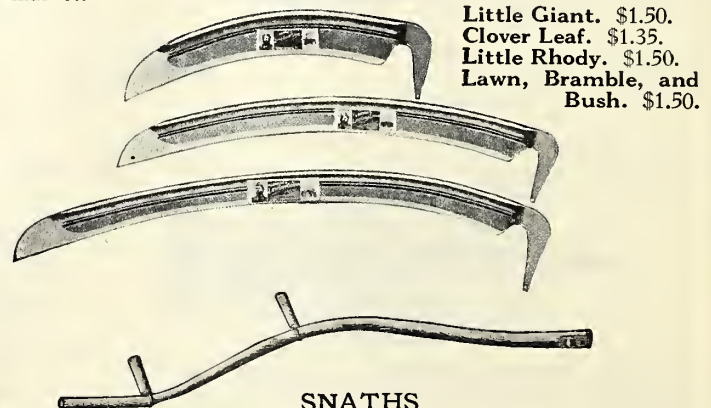
Manure, D Handle. 4-tine,	Coke, D Handle. \$2.50 to \$4.
\$1.35; 5-tine, \$1.60; 6-tine,	Hay, 2-tine. \$1 to \$1.40.
\$1.80.	Hay, 3-tine. \$1.10 to \$1.45.
Spading, D Handle. Diamond	Bush Hook, Collins'. \$1.50.
Back. \$1 to \$2.15.	Edging Knife. \$1.25.

HANDLES

Hay Fork. 25 cts. to \$2.	Hoe. 25 cts.
Manure Fork, Long. 45 cts.	Pick. Oak and walnut. 50 to 75c.
Manure Fork, D Handle. 60 cts.	Axe. Many styles. 40 to 50 cts.
Also a full line of other Handles that go with our business	

SCYTHES

We have a reputation for selling the best grade of Scythes on the market.



SNATHS

The celebrated swing-socket.

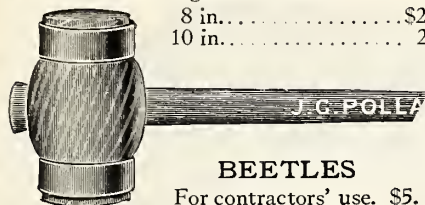
Grass, Ash. \$1.25.

Bush, Ash. \$1.50.

TAMPING BAR

Made different weights and sizes.

8 in.....\$2.00
10 in.....2.50

**BETTER**

For contractors' use. \$5.

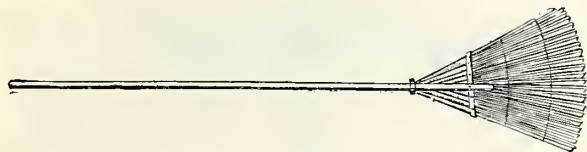
LOCK-LEVER POST-HOLE DIGGER

Enjoys a reputation unequaled by any other Digger on the market, because of its lightness, ease of manipulation, simplicity and solidity of construction, best material, workmanship and finish. Any boy can operate this Digger. The increasing demand for the Lock-Lever Digger and the letters of commendation received, are proof that our statement is correct. \$2

Post-Hole Digger

Tamping Bar

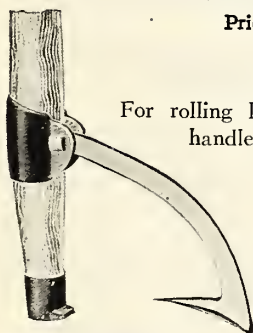
sufficient

**LAWN BROOMS**

Price, 40 cts. to \$1.50

CANT-HOOK

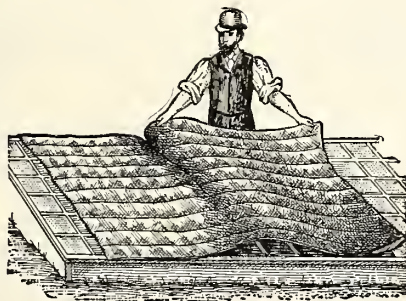
For rolling logs and poles. With 3- or 3½-foot handles. \$2.



Cant-Hook

**GRASS HOOKS**

Price, 50 cts. to 90 cts.

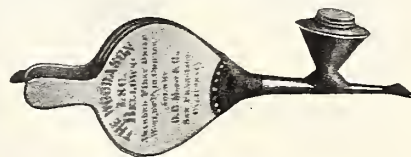
**LEVINES HOTBED MATS**

Wool-filled, Frostproof, Indestructible, Cheap, Warm

Made expressly for winter covering of hotbeds, coldframes, plants, and seeds of all kinds. Will not harbor mice or vermin. Easily handled. Dry out quickly after rain. Have been in practical use for years. Cost less than old-fashioned straw mats, entirely take their place. 76 x 84 in., \$3.50.

**ACME SPRAYER**

This Sprayer is adapted for all kinds of insect-killing and spraying purposes. It is a great saving of labor, and also a great saving of liquids, as the spray is as fine as mist and adheres to the plant. Used by stock-raisers for keeping flies from cattle and horses during the summer months. 50 cts.

**WOODASON BELLOW**

These are the best-made Bellows; will last a long time and are very strong and durable. \$2.75.

WEEDERS

Excelsior Hand



Beet Hoe

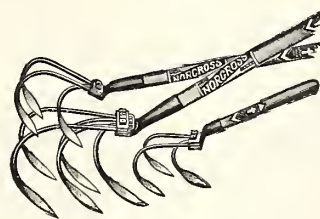
Excelsior Hand Weeder. 15 cts.

Beet Hoe. 50 cts.

Magic Weeder and Hoe. The best garden tool on the market. It does the work with half the labor, saving both time and strength. 50 cts.



Magic Weeder

**NORCROSS HAND GARDEN CULTIVATOR**

Its work equals that of the highest-priced wheel plow on the market. With its low price, it sells to those who have but a small home-garden. It is made of first-class material, the shovels forged from steel prongs. It can be entirely taken apart, every part being detachable. Three sizes, 50 cts., 75 cts., and \$1.

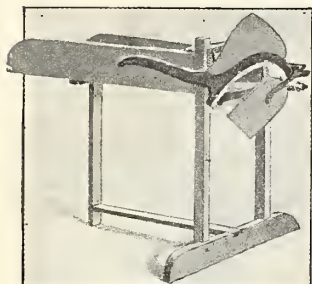
MOUNTED GRINDSTONE

Wood Frame, 24 inches.....	\$22 50
Wood Frame, 26 inches.....	25 00
Wood Frame, 28 inches.....	27 75
Bicycle.....	10 00

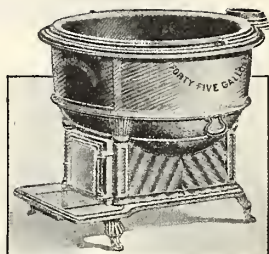
UNMOUNTED

Nova Scotia. Hand cut.....	Per lb. \$0 12
Cleveland.....	10
Bicycle.....	10

We carry a complete line of grinders, rifles, and scythe stones for sharpening all kinds of farm tools.



Lever Hay Cutter



Peckham Caldron

PECKHAM CALDRONS

An indispensable article on every farm. Made in six sizes. **Furnace and Caldron complete. (For wood.)** 15-gal., \$40; 22-gal., \$50; 30-gal., \$60; 45-gal., \$70; 60-gal., \$80; 90-gal., \$140. Fixtures for coal extra. **Farmers' Kettle.** \$16.

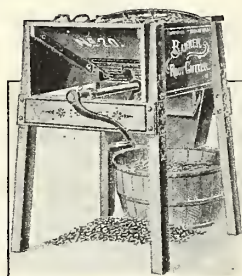
LEVER HAY CUTTERS

Adjustable arm to take up wear.

No. 2. New York.....	Each \$6 00
No. 5. New York.....	8 75



New England Root Cutter



Banner Root Cutter

NEW ENGLAND ROOT CUTTER

Very popular; cuts in irregular, small pieces, a good size for cattle to eat. \$22.50.

BANNER ROOT CUTTER

No. 20, \$15; No. 25, \$13.50; No. 7, \$6.30; No. 31, \$13.50. No. 31. Made entirely of iron and steel. A positive feed—it must cut the roots; they can't get away from the knives. \$13.50.

STEEL ROAD
SCRAPERS

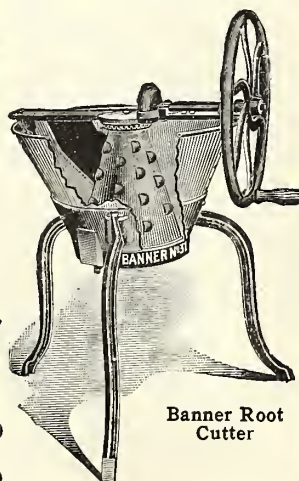
With Runners

No. 0, \$20; No. 1, \$9; No. 2, \$8.50; No. 3, \$8.

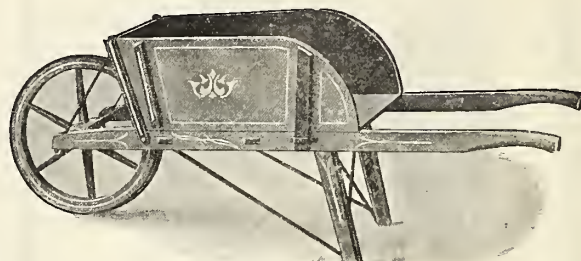
CORN SHELLERS

Rover.....\$15 00

I. H. Co., Power, with separator..... 35 00

Banner Root
Cutter

WHEELBARROWS

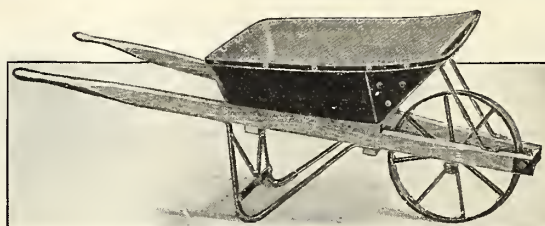


Garden Wheelbarrow

GARDEN WHEELBARROWS

A good strong Barrow for everyday use.

No. 64.....	\$7 00	Boy's	\$5.50 and \$6 00
No. 65.....	7 50	No. 64, Wide-wheel ..	7 50
No. 66.....	8 00	Steel Bottom.....	6 00



Steel-Tray Barrow

STEEL-TRAY BARROWS

No. C3 1/2, Syracuse.....	\$6 50
No. M-3.....	6 00
No. M-4.....	6 50
T-6.....	7 00
Middy.....	4 25

STONE BOAT

Well made of seasoned oak, with iron head. 1-horse-size, \$9.50. 2-horse-size, \$10. Steel Head, 34-in., \$5.25.

POST-HOLE AUGERS AND SPOONS

8-inch Auger.....	\$2 50
Drive-Pipe Auger.....	2 25
Post-hole Spoons	
7-ft.....	3 00
8-ft.....	3 25
9-ft.....	3 50
10-ft.....	3 75

TRAPS

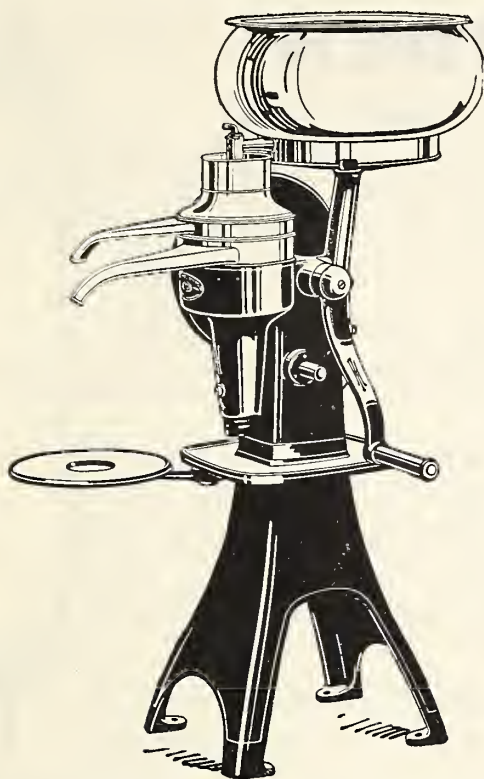
Animal	
No. 0.....	20
No. 1.....	25
No. 1 1/2.....	35

LANTERNS

Hand Lanterns.....	80 cts. to 1 75
Driving Lanterns.....	\$1.50 to 1 75

BROOMS

House.....	50 cts. to 1 00
Stable, Plain.....	1 10
Stable, Rattan-filled.....	1 25



McCORMICK-DEERING CREAM SEPARATORS

The new McCormick-Deering with four ball bearings is not only a step forward in providing easy turning so long desired, but it also provides a machine that a woman, or even a child, can operate with ease. If you desire the utmost in Separators, long life, easy turning, close skimming, etc., insist on the McCormick-Deering.

No. 2. Capacity 450 lbs.....	\$91 50
No. 3. Capacity 650 lbs.....	118 50
No. 4. Capacity 850 lbs.....	130 50

Prices of larger sizes on application.

MOTOR DRIVE, \$46.75

DE LAVAL CREAM SEPARATOR

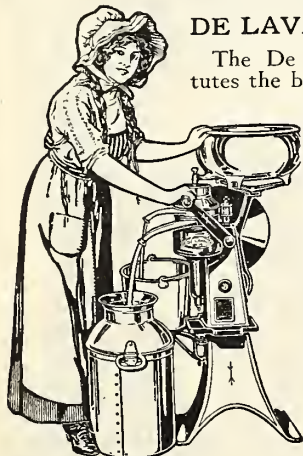
The De Laval Cream Separator constitutes the best-known means, in the light of science and the world's experience, for separating cream from milk.

Briefly stated, the process of centrifugal separation consists in passing the milk through a mechanically operated and rapidly revolved steel bowl, the inflow and discharge being continuous and the separation practically instantaneous—with all of the advantages and none of the disadvantages of gravity setting or other skimming of milk.

No. 10 (capacity 350 lbs.). \$88.50.

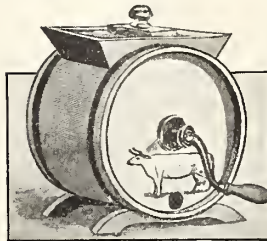
No. 12 (capacity 500 lbs.), \$100. Larger sizes for cream-

ery and factory. Motor Drive, \$55.



DAZEY CHURN

Dazey Churn. Most sanitary Churn on the market. Extra-heavy glass jar, nickel-plated top. No. 300, \$5; No. 20, \$1.75; No. 40, \$2.75; No. 60, \$3.25; No. 80, \$3.50.

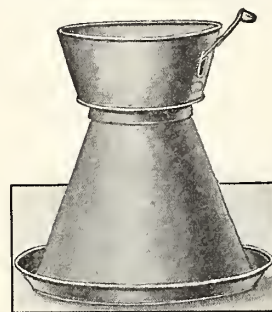


Varnished Cylinder Churn



VARNISHED CYLINDER CHURN

Varnished Cylinder Churn. No. 0, \$3.25; No. 1, \$3.50; No. 2, \$4; No. 3, \$4.50.



CHAMPION MILK COOLER

It is a perfect aerator, removing all flavors arising from excessive cabbage, turnip, or silo rations. No. 2, \$9; No. 3, \$10.80; No. 4, \$13.50.

NEW ENGLAND BUTTER MOLD

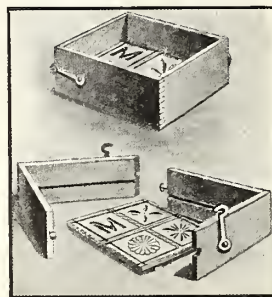
1-lb. size, 90 cts.; ½-lb. size, 75c.

MILK PAILS

(Not shown.) 75 cts. to \$4 ea.

MILK CANS

(Not shown.) Standard 10-qt. size. \$2.50.



B-K

A pure sodium hypochlorite, the harmlessness and efficiency of which is well known to most scientists and health officials. It contains no poison or acid. *B-K* performs three distinct functions. It has a *solvent, cleansing action*; it *destroys bacteria and infectious organisms*; it is a *powerful deodorant*. Use clean water and B-K only; put nothing else in the rinse water. Qt. \$1.25, gal. \$3, 5 gals. \$12.50.

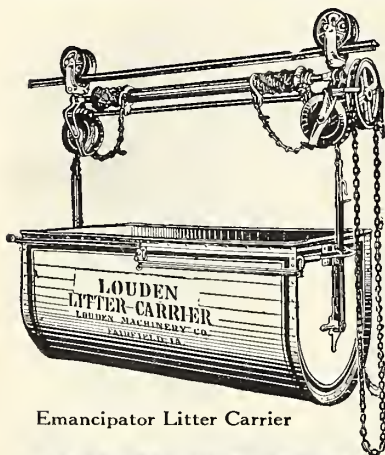
MILK STRAINERS

Sanitary Milk Strainer.....	\$2 75
Perfection Filter Discs. Carton of 300.....	2 25
Funnel for use with 10-qt. cans.....	1 00

LOUDEN

EMANCIPATOR LITTER CARRIER

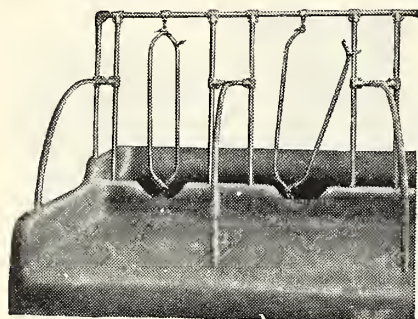
Takes out the equal of five wheelbarrow loads of manure at a single trip—takes it clean without spilling or dripping—carries it clear away from the door—dumps the entire load into manure-pit or manure-spreader. It will save you more hard, disagreeable work than any implement about the place. The 10-bushel tub is let down close to the floor where even a 12-year-old boy can shovel the manure quickly and easily into it. He gives the carrier a little shove as he goes without putting the shovel aside. The big tub is loaded almost as quickly as a wheelbarrow carrying only a fifth as much. The same heavy double-bead track is used with the Litter Carrier that has been used for many years in connection with Loudon Hay Carriers.



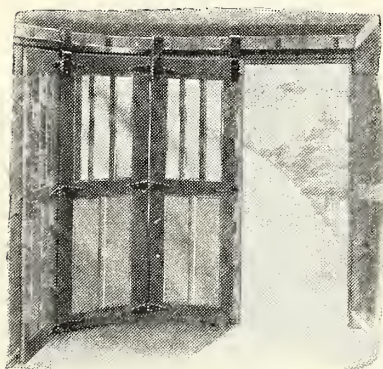
Emancipator Litter Carrier



Double-Bead Steel Track



Steel Stall



Louden Garage Door Hanger

LOUDEN STEEL STALLS AND STANCHIONS

Milk and misery don't go together. The Loudon Swinging Tubular Steel Stanchion gives the cow pasture-comfort. In a Loudon Stanchion she can turn around to card herself—she can lie down with her head tucked against the side of her body, just as she sleeps out in a June pasture. Farmers who have used them say that cows will pay for the *complete steel stalls and stanchions* in two years out of the *extra* production the pasture-comfort makes possible.

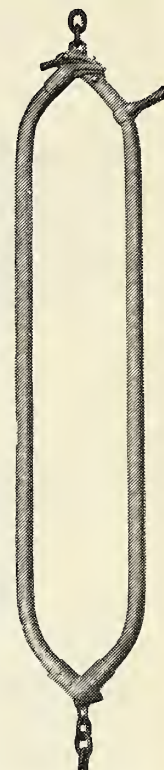
LOUDEN DETACHABLE WATER-BOWLS

Give the cows a fresh drink any time day or night when they want it, and as much as they want. A cow must drink $4\frac{1}{2}$ gallons of water for every gallon of milk she produces. The winter slump in milk production is in large measure due to the cows not getting enough water to drink. Loudon Water-Bowls also do away with that disagreeable chore of having to turn the cows out to water once or twice a day no matter how disagreeable the weather may be. A Massachusetts dairyman got a 40 per cent increase in milk production last January, February, and March after installing the Water-Bowls. You can add \$3 a month to your milk-check for each cow milked during the winter, by simply installing Loudon Water-Bowls.

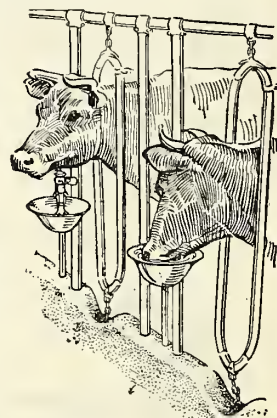
LOUDEN GARAGE DOOR HANGER

Absolutely the handiest and most economical Garage Door Hanger made. Door slides around corner on inside, taking up very little room. First section of door forms a foot door. Outfits are complete with track, roller-bearing trolleys, hinges, stay rollers, screws, and nails. Made for 6-, 8-, 10-, or 12-foot doors. Anyone can install it.

The Loudon representative will be pleased to call on you, and give figures for the Loudon Line



Louden Tubular Steel Stanchion



Detachable Water-Bowls

BUCKLEY'S PATENT WATERING DEVICE FOR WATERING STOCK IN STABLE

Water in the Stable is a Necessity

It has come to be regarded as a matter of necessity for the proper care of stock, while in the stable, that they should have constant access to water of suitable temperature. The Buckley process shows the most practical method of having it. **Complete, \$3.**



Buckley's Watering Device

CRUMB'S CHAIN HANGING WOOD STANCHION

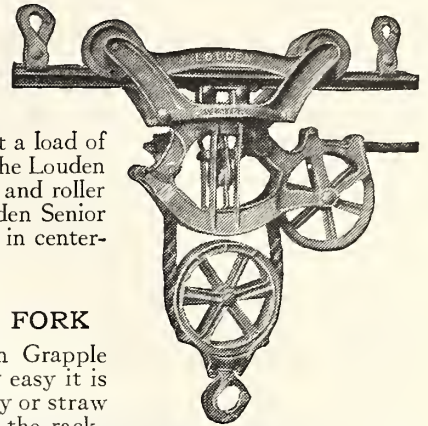
(Not shown)

This device is made from thoroughly seasoned hard wood, framed and bolted together in the most substantial manner. At its opposite ends chains are attached by which it is suspended from the top beam of the stall-frame, and secured thereto by a chain of sufficient length to allow it a free and easy motion in all directions. Sole agents for Rhode Island. **\$2.50.**

Louden Hay Tools Get the Hay in While the Sun Shines

LOUDEN SENIOR HAY CARRIER

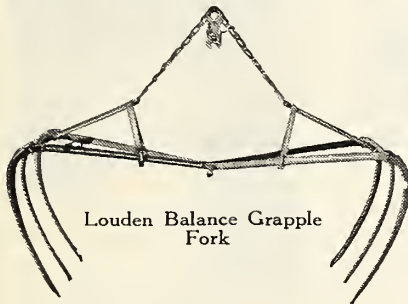
The Louden Senior Hay Carrier is a sturdy, dependable carrier built to safely lift a load of 1,500 pounds—a good deal more than would ever stick to even such a greedy fork as the Louden Balance Grapple shown below. The rope wheel and pulley are 7 inches in diameter and roller bearing. This makes the draft easier and gives longer wear to the rope. The Louden Senior Carrier is reversible so that it can be used in center-drive or end-hoist barns.



Louden Senior Hay Carrier

LOUDEN BALANCE GRAPPLE FORK

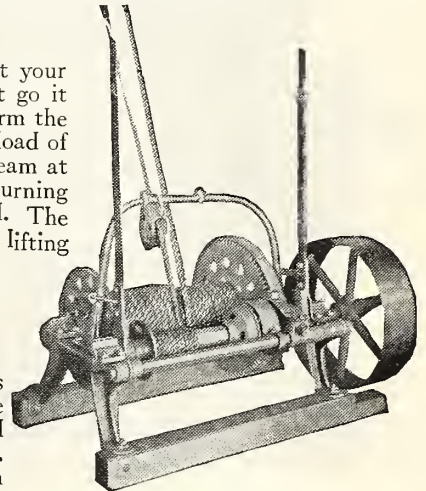
Unless you have actually used a Louden Grapple Fork, it will be hard to convince you of how easy it is to set, what enormous loads of all kinds of hay or straw it takes up, how clean it takes the hay off the rack, how little it spills. No special care is required in loading the hay—the Balance Grapple Fork clinches its wide-spread steel tines about a big load of hay and mows it away. The fork comes down open, a 12-year-old boy can guide it to the next “bite” as it comes down, then a step on each end to ram it into the load—a snap of the latch, and you are all ready for another pull.



Louden Balance Grapple Fork

LOUDEN SINGLE DRUM POWER HOIST

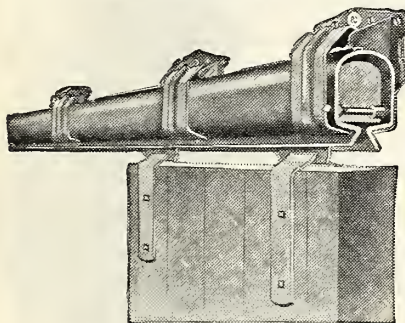
Belt it up with your tractor or any engine of 4 horse-power or more, and start your engine. Nothing happens at the hoist until you pull a lever—the moment you let go it springs into neutral—you can't forget to make it safe. Hard maple conical blocks form the clutch. Pull the main lever and your clutch takes hold gradually but surely. Your load of hay goes up as fast as a team could take it—the hoist takes the place of an extra team at haying-time. To return, work the other lever—it is much quicker and easier than turning a horse or team around and wasting your strength pulling the carrier back by hand. The hoist, besides taking the place of a team at harvest-time, is mighty handy for heavy lifting of all kinds. The big brake holds the load securely at any point desired.



Louden Single Drum Power Hoist

LOUDEN BIRD-PROOF BARN DOOR HANGERS

Note the straight sides and flared-out lips of the Bird-proof Barn Door Track at the left. They give this track a strength and durability not usually found in closed tracks. Note also that the track is flexibly hung from big sturdy brackets. This flexible hanging permits the door to climb ice or trash without damaging the track or hangers. In fact the door could be swung outward and upward until it stood upside down on the track without any damage to the door, trolleys, or track. There are four roller-bearing wheels for each door, making even the heaviest door roll remarkably easy.



Bird-Proof Barn-Door Hanger

CORNER HAY-RACK

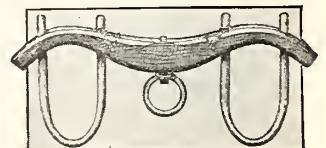
Will not waste hay. \$3.25.

CORNER FEED-TROUGH

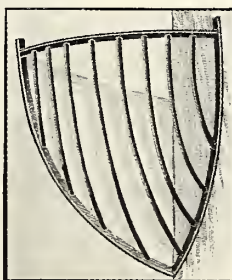
Best cast-iron. \$2.75.

OX-YOKES

Made of best seasoned stock. Complete with bows, No. 4, \$13; No. 5, \$15; No. 6, \$16.



Ox-Yoke



Corner Hay Rack



Ratchet Jack



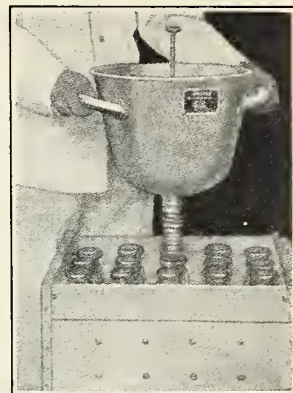
Corner Feed Trough

PRATT'S RATCHET JACK

Best Jack made for heavy work. No. 7, \$5.75; No. 5, \$3.50.

HAND BOTTLE FILLER No. 1

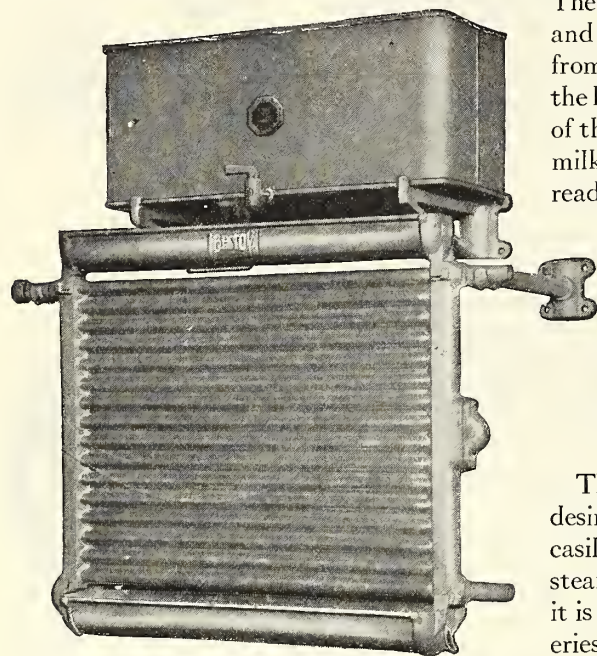
This filler is used by the larger dairy plants for filling special orders of cream, baby milk, etc., and by the dairy farmer and small dealer for their entire output. Equipped with overflow valve. \$10 each.

**BESTOV TUBULAR COOLERS**

COOL YOUR MILK IN A BUSINESS-LIKE WAY

The progressive, business-like dairyman today is using a small, tubular Bestov Milk Cooler, built like the bigger ones found in every creamery or milk plant. With such equipment he rapidly chills and aerates the milk as fast as it is received from the barn.

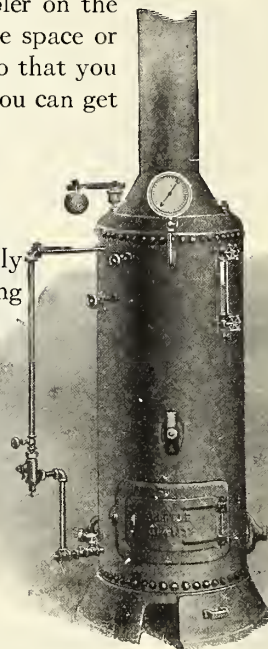
There is no waste of cold water or ice and no waste of time. Bestov Tubular Coolers extract all the heat from the milk while it flows over the tubes from the top trough to the bottom. The milk comes off the Cooler within one or two degrees of the temperature of the water circulated through the tubes. When milking is over, the Bestov Cooler is easily and quickly cleaned, ready for use again. No time is wasted; no milk is lost.



You can hang a Bestov Cooler on the wall where it will take up little space or you can obtain a stand for it so that you can rig it up any place where you can get water to it.

FULL-LENGTH TUBE VERTICAL BOILER

This type of Boiler is especially desirable where space is limited. Being easily handled and a quick steamer, it is very popular and it is extensively used in creameries and milk plants.

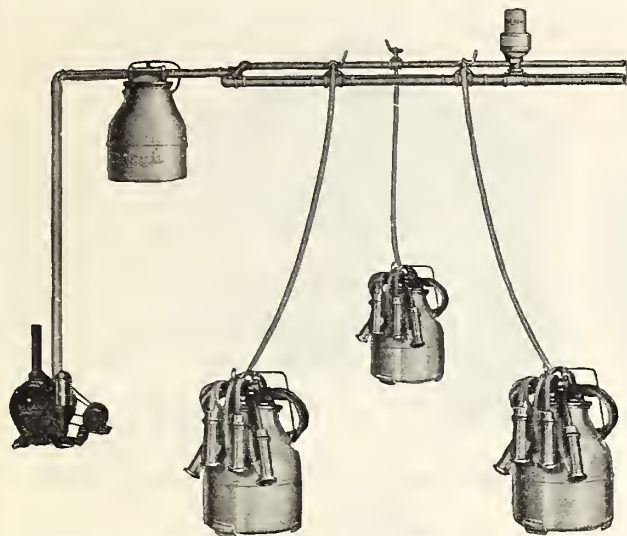
**THATCHER SUPERIOR MILK BOTTLES**

These quality Milk Bottles are made to stand the rough handling of everyday usage. Made of best flint glass and annealed in specially designed lehrs, insuring maximum strength. 1-qt., \$1 per doz., \$5 per 1/2 gross, \$9 per gross; 1-pt., 75 cts. per doz., \$4 per 1/2 gross, \$7 per gross; 1/2-pt., 55 cts. per doz., \$3 per 1/2 gross, \$5.65 per gross.

**PIQUALITY MILK BOTTLE CAPS**

"Piquality" means that nothing but the best of materials is used in the manufacture of Piquality Caps. We carry in stock the several different kinds of Bottle Caps necessary to conform both to the state laws and to city ordinances governing the same. 50 cts. per 1000, \$2 per 5000, \$18 per 50,000.

Get our price on BOTTLE CAPS printed with your own design; it costs but little more and protects you



DE LAVAL MAGNETIC MILKER

De Laval Magnetic Milker Outfits are furnished for milking any number of cows, whether it be 1 or 1000 or more. These outfits may be installed in any kind of barn, large or small. Each size outfit operates in exactly the same manner, being identical in quality, construction, and performance. They differ only in the size of the Pulso-Pump and number of units. A few of the various size outfits are illustrated on this page. Following is a list of the various-size De Laval Magnetic Milker Outfits, what they consist of, and the number of cows they are designed to milk.

No. of Outfit	Pulso-Pump	Units	No. Cows	Power Requirements Motor	Power Requirements Engine
1	No. 25	1	5- 10	1½ h.p.	1½ h.p.
2	No. 25	2	10- 20	1½ h.p.	1½ h.p.
3	No. 40	3	20- 30	¾ h.p.	1½ h.p.
4	No. 41	4	30- 40	1 h.p.	1½ h.p.
5	No. 47	6	40- 60	1½ h.p.	2½ h.p.
6	No. 48	8	60- 80	1½ h.p.	2½ h.p.
7	No. 87	12	80-120	3 h.p.	3½ h.p.
8	No. 88	16	120-180	3 h.p.	3½ h.p.

1. Increases milk-production.
2. Saves time and labor.
3. Produces cleaner milk.
4. Makes dairying much more pleasant.
5. Makes more money.

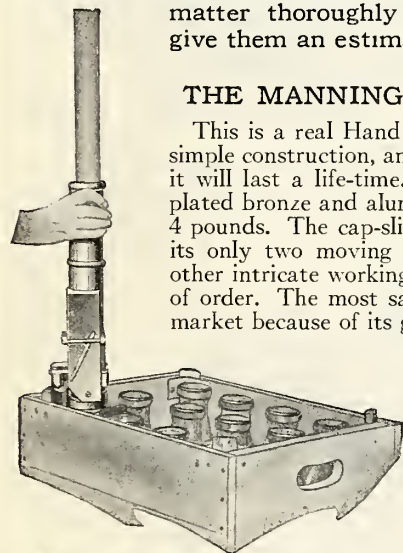
We can prove every point, and convince you that the De Laval Milker will soon pay for itself, if you are milking ten or more cows by hand. Give us an opportunity.

Large illustrated descriptive catalogue, with prices for installing, sent upon request.

NOTICE.—To dairymen or farmers who are thinking of putting in a new plant or remodeling an old one, we suggest they write us. We have an expert who will call on them, go over the matter thoroughly with them, and give them an estimate of the cost.

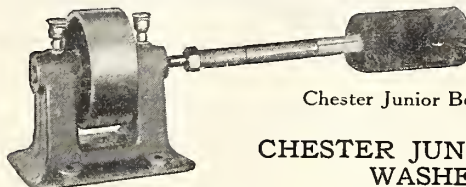
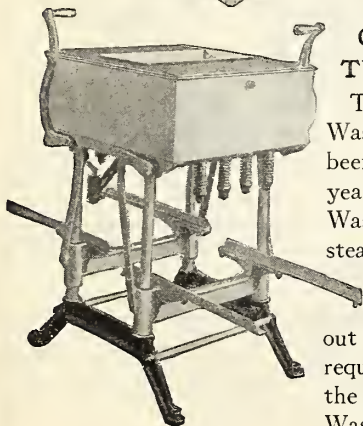
THE MANNING HAND CAPPER

This is a real Hand Milk-Bottle Capper of simple construction, and so strongly built that it will last a life-time. It is made of nickel-plated bronze and aluminum and weighs only 4 pounds. The cap-slide and the plunger are its only two moving parts, and there is no other intricate working mechanism to get out of order. The most sanitary machine on the market because of its great simplicity, its few parts being either nickel-plated or aluminum. As it operates by gravity, a child can run it without tiring, and it is a profitable investment for small plants. \$25.



CHESTER STEAM TURBINE WASHER

The Chester Steam Turbine Washer is well known, having been in the market for many years. This is the only Turbine Washer made in which the steam travels $\frac{2}{3}$ of the way around the wheel, thus taking all of the power out of the steam. It actually requires only about $\frac{1}{2}$ of the steam that most Turbine Washers use.



Chester Junior Belt Washer

CHESTER JUNIOR BELT WASHER

A sturdy, well-built, single-pulley Belt Washer that can be driven equally well direct from an engine, motor, or line-shaft. There are no gears, and the brush is connected right on to the main shaft. This little machine is carefully built and is very heavy in construction. The bearings are poured from high-grade Babbitt and will last a lifetime. Machine shipped complete as shown, with brush and brush-holder. Pulley 5½ in. diam., with 2½-in. face. Single end, \$10.



BOTTLE CASE

In these days of competition every labor-saving device is necessary to the dairyman.



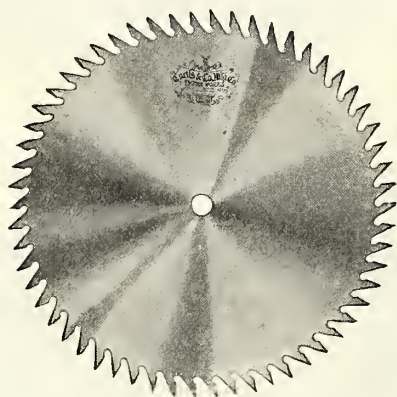
MARTIN FARM DITCHER, TERRACER, AND ROAD GRADER FOR TRACTOR

The best tool in the world for building terraces, to stop the washing away of top soil on hillside and rolling farms, for cutting new ditches, back-filling after tiling, cleaning out old ditches, filling gullies, leveling bumps, and grading roads. The most important tool ever brought onto the farm. Was needed before the plow.

Does the Work of 100 Men

This machine cuts a V-shaped ditch down to 4 feet. It is reversible, throws the dirt to either side, so that you can ditch close to a fence. Can be adjusted for a narrow or wide cut. Made all of steel and has no working parts to wear out. Lasts a lifetime.

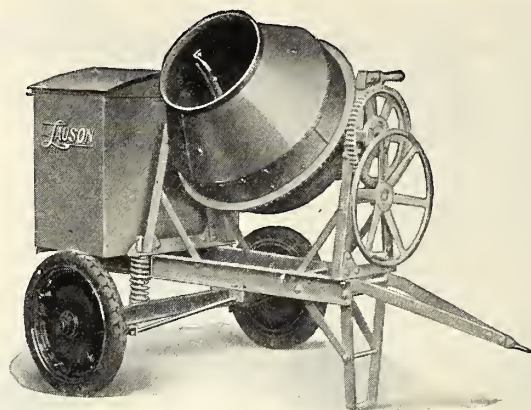
Ask for descriptive Catalogue and special price



CIRCULAR SAW

A Saw is a delicate tool. When you stop to think of the thinness of the metal and the severe work that a saw performs, you can readily understand what we mean when we say that a Saw is a delicate tool.

To manufacture a Saw that will give satisfaction out of such a thin piece of steel requires a combination of the best talent, widest experience, large facilities, and the most improved methods of production.



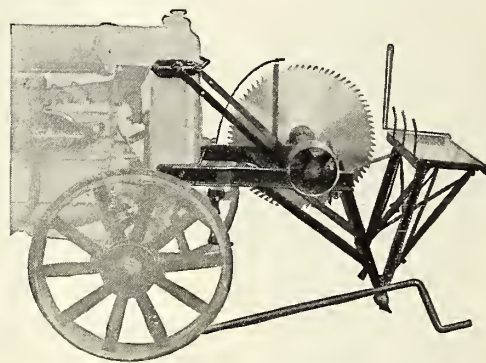
THE LAUSON 3½ FOOT or ½-BAG CONCRETE MIXER

Timken Bearing Equipped

This size Mixer has become our leader due to its acceptance as a standard the country over by contractors. Its high-grade construction and correct engineering are outstanding in every detail. It has a convenient large hand-wheel, and semi-automatic discharge, with a lock that can be depended on to hold the drum in any desired position. The specially designed blades give a kneading and stirring action, and the slat construction permits a large clearance for the water, helping to clean the drum more thoroughly and shortening the time of mixing.

The 2 H.P. Lauson Engine which delivers plenty of surplus power and is equipped with high-tension magneto, is enclosed in an all-steel housing with large, removable doors, permitting easy accessibility for inspection.

The ½-bag, tilting Mixer, rated 3½, holds 5½ cubic feet of loose material, as approved by the Associated General Contractors. It readily turns out 45 to 60 yards of mixed concrete per day. Price, \$250.



STOVER SAW RIG

Take the saw to the wood—Not the wood to the saw

With the Stover Rig attached to your tractor you can take your outfit wherever poles, etc., happen to be, saw them up, and go on. Complete, with belt and 26-in. saw, \$60.

AMERICAN Iron-Frame Horse-drawn Saw Rig, equipped with six horse-power gasoline engine, belt, and 26-in. saw, \$300.

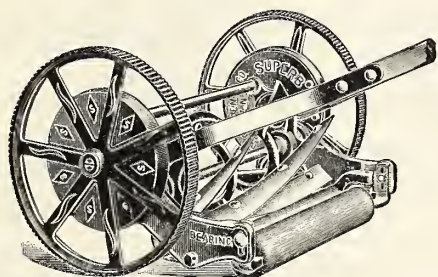
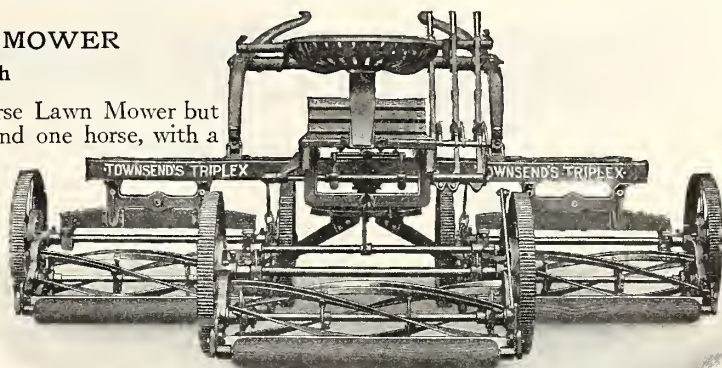
RANDOLPH Saw Tables, including 26-in. Curtis X cut saw No. 2, \$40; No. 4, \$30.

RUBBER BELTING for operating concrete mixers, pumps, saw rigs, etc.

1½ inches wide, per foot.....	\$0 30
2 inches wide, per foot.....	35
3 inches wide, per foot.....	45
5 inches wide, per foot.....	70

TOWNSEND'S TRIPLEX LAWN MOWER**The Greatest Grass-Cutter on Earth**

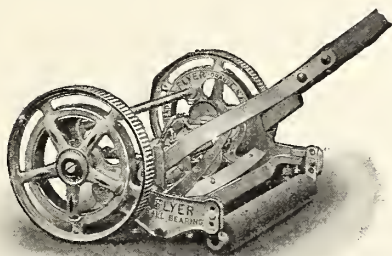
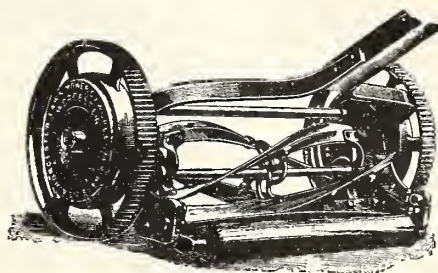
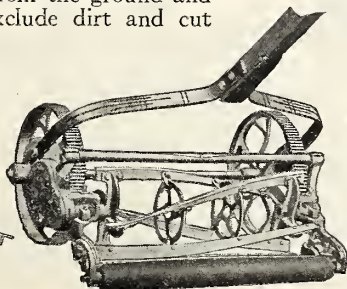
Here is a Mower much lighter than the ordinary horse Lawn Mower but which cuts three times as wide a swath. One man and one horse, with a Triplex, will cut more grass in a day than three men and three horses with three ordinary horse Lawn Mowers, thus saving the wages of two men, the cost of two horses, and the cost of their care and keep. This Mower will cut a swath 86 inches wide. One man and one horse, with a Triplex, will cut more grass in a day than one man with the best motor Mower ever made, and cut it better, at a small fraction of the cost. Can you ask more? We will let you verify it. It floats over the uneven ground as a ship rides the waves; one Mower may be climbing a knoll, a second may be skimming the level, and a third may be paring a hollow.

**"SUPERB" BALL-BEARING MOWER**

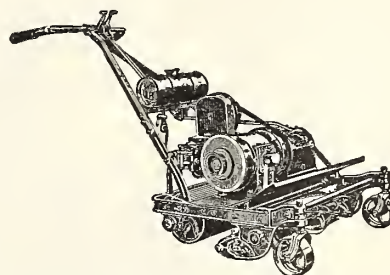
A magnificent Mower, with 12-inch wheel and 7-inch reel. It is the only Mower on the market with 12-inch wheel. The large wheel adds to the power and ease of operation. The large reel enables it to cut through grass so high that it would choke most other mowers. It possesses these two great advantages without the disadvantage of extra weight, the strength not having been sacrificed.

**TOWNSEND'S
"FLYER"
BALL-BEARING
MOWER**

A good, free-cutting, easy-running Mower, with open wheel and frame, made on the two-gear principle. Gears well up from the ground and fully shielded so as to exclude dirt and cut grass. Has 9-inch wheels, 4-bladed reel, the finest bottom knife and the famous Townsend finish.

**GENUINE
PHILADELPHIA
LAWN MOWER****THE LARK MOWER**

A low-priced Mower, well made and durable; does good work, is simple in construction, and not liable to get out of order.

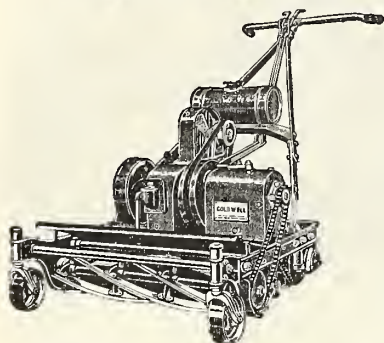
**CUB POWER LAWN MOWER**

The Coldwell Cub is a light, substantially built, power Lawn Mower with a 21-inch detachable front cutting unit and a full-width drive roller. Separate clutches control the cutting unit and the traction roller. The clutch levers are conveniently located on the handle and can be engaged or disengaged with one finger. The drive roller is divided and is driven through a differential so that sharp turns can be made without marking the lawn. Where ground conditions require, wheels can be substituted for the drive roller, making a wheel type mower but retaining the advantages of a removable front cutting unit.

The front cutting unit makes it possible to cut close to trees or walls so that a finished job can be done without the use of a hand mower. The cutting unit can be removed for sharpening or repair without loosening up the cross members of the frame or cutting unit.

In this machine we realize our ideal of a light, strong, easily handled mower, so simple that an inexperienced man can understand and operate it. It is made light and strong by using steel and malleable iron where best adapted. Flexibility in maneuvering is obtained by proper distribution of weight and mounting on a large drive roller and casters.

COLDWELL Power Lawn Mowers



COLDWELL "L" TWIN MOTOR LAWN MOWER AND ROLLER

A practical motor-driven, hand-controlled Lawn Mower with plenty of reserve power, making it possible to cut close up to and around trees, shrubbery, walks, and driveways; to operate efficiently on the smaller areas and at the same time to cut from 4 to 6 acres per day on the larger areas of lawn. In this model is combined the extreme flexibility of the hand Mower with the large cutting capacity, rolling feature, and other advantages and conveniences which can be obtained only with a motor Mower.

Its operation and care are extremely simple and easily understood.

Coldwell, 4-cycle, water-cooled motor. Bosch magneto. Schebler carburetor. Height of cut $\frac{3}{8}$ to 2 inches. Capacity 6 to 10 acres per day. Fuel consumption 1 gal. gasoline per 10 hours running. Allyn-Zerk force-feed lubrication.

The gasoline tank holds sufficient for full day's cutting.

The new detachable Gang Units for use with the "L" Twin increase the cutting width from 25 to 60 inches for cutting the large open stretches of lawn.

The Gang Units are easily attached or detached. The

couplings are flexible so that the units readily follow the contour of the ground.

These Gang Units are made so that they can be attached to all Model "L" Motor Lawn Mowers now in service.

COLDWELL "TWIN 30" LAWN MOWER

The "Twin 30" is a combined Lawn Mower and Roller having a capacity of from 6 to 8 acres per day, with plenty of weight for effective rolling on athletic fields. Extremely flexible and easily manoeuvred around trees, flower-beds, borders, etc.

The drive roller is full width and is built in two sections with differential to prevent marring the turf.

Successive mowing and rolling with the "Twin 30" smooths down mole-runs, worm-casts, and other soil upheavals, and produces a fine, smooth, velvety finish to the turf. This Coldwell Model was designed for use on large lawns and produces the finest possible effect with a minimum of labor and expense.

The Two-Cylinder, four-cycle, water-cooled motor provides an abundance of power for climbing steep grades and for cutting in tough grasses. The motor was designed especially for this model by Coldwell engineers and is built complete in the Coldwell factory.

Automatic lubrication has been provided throughout to insure smooth, dependable service and to reduce wear and tear on the machine. The clutches and transmission are entirely enclosed and protected from dirt and grass. Roller bearings are used to insure long life to all mowing parts and to minimize the necessity for adjustments and lubrication. The rugged construction and simplicity of design insure consistent, dependable performance.

Prices of Walk-Type Power Lawn Mowers

"Twin 30," 30-in. cut.....	\$390 00	"L Twin," with gang, 60-in. cut.....	\$400 00
Grass Box for "Twin 30"	15 00	Riding Sulky for "Twin 30" or "L Twin".....	20 00
"L Twin," 25-in cut	340 00	"Cub," 21-in. cut	200 00
Grass Box for "L Twin"	12 00	Grass Box for "Cub".....	10 00

Thompson's Wheelbarrow Sower

(FOR FIELD, PARK, AND ESTATE SEEDING)

The hopper on this Seeder is double and will do a large range of work. It sows all small seeds like clover, timothy, Hungarian rape and flax, in any quantity from 6 to 40 quarts to the acre, and millet 3 to 24 quarts to the acre. It also sows chaffy seed like redtop, orchard grass, clean blue grass, any quantity desired to the acre; sows uniformly whole length of box, 14 feet. Especially adapted to the requirements of the New England states.

Greens, fairways, and lawns must be evenly seeded to get a smooth, uniform growth of grass. The only sure method is to use a machine with a positive, accurately controlled, force feed.

The Thompson's "Golf Special" Wheelbarrow Seeder illustrated, is built especially for this work. It is sturdy, reliable, and quite inexpensive. It is simple in operation. It has no gears, cams or rat-trap machinery to get out of order.

No. 95 "Golf Special" Grass Seeder. Sows swath 14 feet wide.

Grain Seeder Box. 10 feet for sowing all kinds of grain.

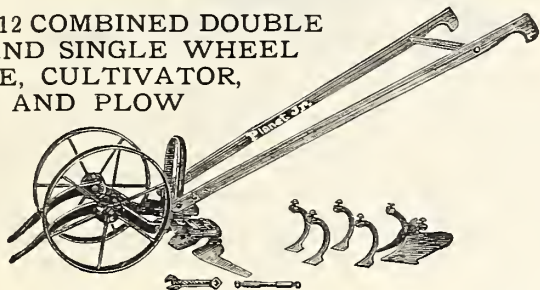


Ask for descriptive Catalogue and prices

Planet Jr. Garden Tools

The New "PLANET JR." Catalogue is the handsomest, best, and most instructive book ever issued on a similar subject. Full of little points that bring profit. Full of true and handsome illustrations. We mail it free to any address on application.

No. 12 COMBINED DOUBLE AND SINGLE WHEEL HOE, CULTIVATOR, AND PLOW



This tool is identical with No. 11 Double Wheel Hoe, except that it has one pair plows, one pair hoes, four cultivator teeth, and a pair of leaf-lifters only, and is sold at a correspondingly lower price.

No. 13 COMBINED DOUBLE AND SINGLE WHEEL HOE

This tool is the No. 11, with 6-inch hoes only, these being the tools that are most used. Any or all of the other attachments shown with No. 11 may be added at any time.



No. 16 PLANET JR. SINGLE WHEEL HOE, CULTIVATOR, RAKE, AND PLOW

These Single Wheel Hoes are the highest type of their class. They have a great variety of attachments, and there is scarcely any garden culture of which they are not capable.

Nos. 16, 17, 17½, and 18 have the same steel wheels, frames and handles, but the attachments sold with each vary.

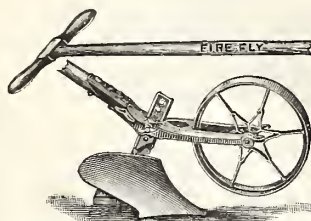
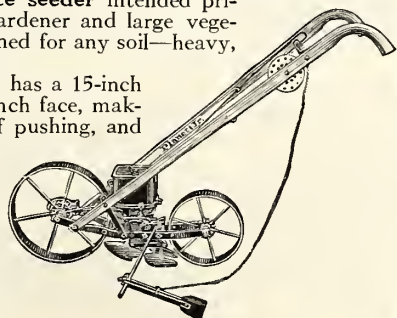
All attachments are of a special pattern, carefully tested by practical men; no others ever offered compare with them. All the steel parts are high carbon steel, oil-tempered, and specially hardened, finely formed, finished, and polished and work to a charm. Everyone who cultivates needs one.

NO. 300 PLANET JR. DRILL SEEDER

A very efficient plate seeder intended primarily for the market-gardener and large vegetable grower. It is designed for any soil—heavy, sandy, or muck.

It is light weight, and has a 15-inch drive-wheel with a 2½-inch face, making for maximum ease of pushing, and minimum sinking in light muck soil.

The hopper bottom, spout and feed-wheel are cast white metal, very light, and non-corrosive, and finished to one-thousandth of an inch, insuring long wear.



FIREFLY PLOW

This tool will throw a furrow 4 to 6 inches wide and 1 to 3 inches deep, and deeper by going twice. Furrows for manure or seeds can be opened and covered. In cultivating, plow away, weed the row and plow back again. This tool will enable a busy man to do in his spare minutes nearly all the work of a family garden. Chicken-raisers find it of great advantage in plowing up their scratching-yards. Weight, packed, 14 pounds.

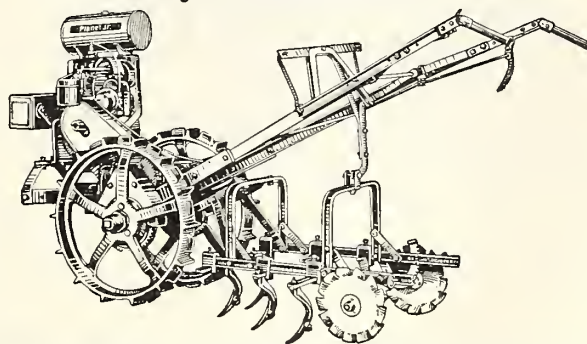


NEW STYLE STAR PULVERIZER AND CULTIVATOR

A very handy tool for the flower- and vegetable-garden. Cut 7½ inches and can be used where plants are very close. The star discs break up the soil, while the oscillating blade—which works backward and forward—pulverizes the soil

and cuts off the weeds directly beneath the surface. Will cultivate your garden directly after a rain without leaving the soil in a lumpy condition.

PLANET JR. MOTOR CULTIVATOR



This Cultivator is built rugged, sturdy, heavy, and powerful enough to withstand the punishment it is sure to get, but is not so big and heavy that it will not satisfactorily cultivate narrow-row crops. The patented steering control enables the operator to do the finest, closest kind of cultivation and yet is so easy to steer that a child can learn to operate it in a few minutes. The Cultivator weighs 400 pounds, giving the traction necessary for plowing and for deep cultivation. Ask for special circular and prices.

PLANET JR. NO. 5 HILL AND DRILL SEEDER

16½-inch steel wheel. Sheet-steel hopper holding 5 quarts. Built on the same lines as No. 3 Drill, only larger. Weight, packed, 52 pounds.

**PLANET JR. No. 4
COMBINED HILL AND
DRILL SEEDER,
WHEEL HOE, CULTI-
VATOR AND PLOW**

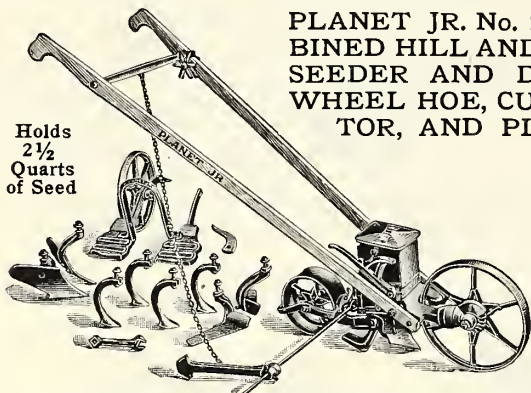
Holds $2\frac{1}{2}$ Quarts of Seed



This tool combines, in a single, convenient implement, a capital hill-dropping seeder, a continuous-row seeder, an admirable single wheel hoe, an excellent furrower, a capital wheel cultivator and a rapid and efficient wheel garden plow. In a word, with a great variety of tools, excellent in design and quality, it is without an equal for easy adjustment, lightness, strength, and beauty. It is a practical, everyday time-, labor- and money-saver. It sows in continuous rows with great uniformity, and drops with accuracy in hills, 4, 6, 8, 12, or 24 inches apart. The feed is automatically stopped by raising the handles, and started by lowering them. Weight, 49 pounds.

**PLANET JR. No. 25 COM-
BINED HILL AND DRILL
SEEDER AND DOUBLE
WHEEL HOE, CULTIVA-
TOR, AND PLOW**

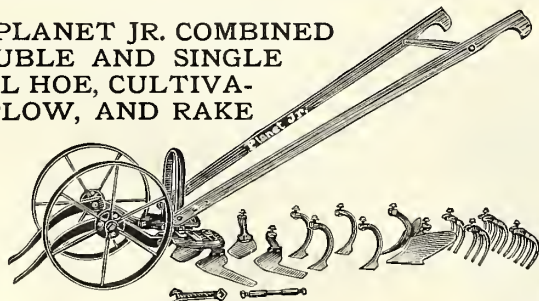
Holds
 $2\frac{1}{2}$
Quarts
of Seed



This new combined machine is intended for gardeners who have a large enough acreage in crops for a Double Wheel Hoe to be used to good advantage, and yet prefer not to buy seeders and wheel hoes separately.

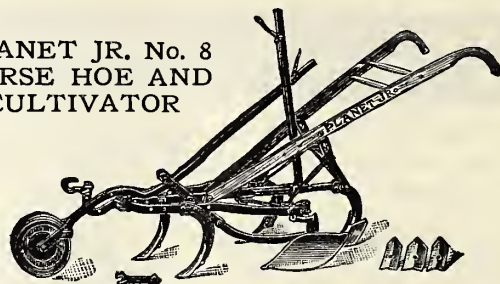
As a seeder it is practically the same as the Planet Jr. No. 4; will sow in drills any thickness, or drop in hills 4, 6, 8, 12, or 24 inches apart, and has the same feed, hill-dropping mechanism, and automatic device for stopping the feed, and has also the new seed index. It is thoroughly substantial and is accurate in planting all kinds of garden seeds in either hills or drills. Weight, packed, 59 pounds.

**No. 11 PLANET JR. COMBINED
DOUBLE AND SINGLE
WHEEL HOE, CULTIVA-
TOR, PLOW, AND RAKE**



A Double and Single Wheel Hoe in one. 14-inch steel wheels for 1918. Straddles crops till 20 inches high, then can be worked between rows with one or two wheels. The hoes are wonderful weed-killers and leave the ground almost level.

**PLANET JR. No. 8
HORSE HOE AND
CULTIVATOR**



A great favorite, being complete and easily operated. Especially strong and intended for long-continued service. Equipment consists of four 3 x 8-inch cultivator steels; one 12 x 8-inch cultivator steel; two 6-inch hillers; one 7-inch shovel; lever wheel; lever expander; depth regulator. The teeth are regular Planet Jr. beveled steel type, thickest in the center where wear is the hardest. Handle adjustment up or down for height, and an important side adjustment. Invaluable in cultivating almost every crop grown in rows. Weight, 83 pounds.

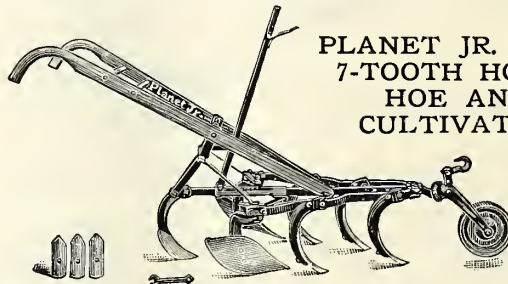
PLANET JR. No. 7 HORSE HOE

The No. 7 Horse Hoe is the No. 8 without the depth regulator. It works the same as the No. 8 in every way, except that it lacks the steadiness and easy control of depth made possible by the depth regulator.

No. 9 PLANET JR. HORSE HOE

A very popular tool which is identical with the No. 7, except that it has a plain wheel instead of the lever wheel. Popular because of its strength, lightness, easy change of width, and perfection of work. Handles adjustable in height and sidewise. Equipment as shown in cut offers a tool which will always be useful. Will stand incredible strain; you can cultivate to any reasonable depth with it, and adjust for any useful width.

**PLANET JR. No. 82
7-TOOTH HORSE
HOE AND
CULTIVATOR**

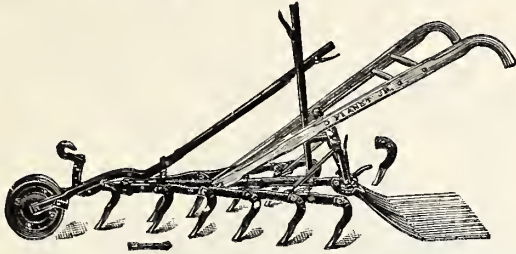


A comparatively new combination of Horse Hoe and Cultivator that has become very popular during the few years that it has been on the market. It has all the advantages of our No. 9 Horse Hoe; its reversible side standards can be turned to any angle desired. The seven teeth insure fine and thorough cultivation. Will take all the extra attachments which fit our Nos. 7, 8, and 9 Horse Hoes, and the whole combination is one which is valuable for hoeing, hilling, and thorough cultivating.

**No. 83 PLANET JR. 7-TOOTH PLAIN
CULTIVATOR**

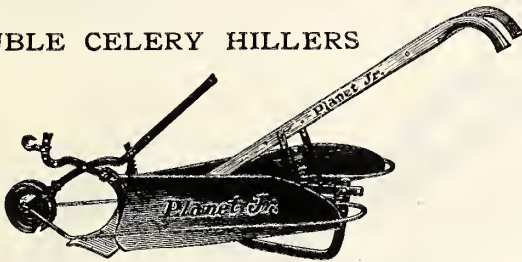
In the opinion of those who ought to know, it is the coming one-horse Cultivator. The seven teeth instead of the ordinary five are $2\frac{1}{4}$ inches wide, and their work is finer and more thorough than that of the 5-tooth Cultivator. A favorite where fine cultivation is essential. Finishes all rows up to 42 inches apart, and will work the middles complete in one passage. Can be run deep or shallow. Takes extra attachments shown on pages 63, 64, and 65 of the Planet Jr. Catalogue.

PLANET JR. 12-TOOTH HARROW, CULTIVATOR, AND PULVERIZER



Gardeners cultivate better than formerly. It has been found to pay best. With the 12-tooth Harrow you go as deep or shallow as you like, come up close to row without injuring plants, cut out all the weeds, stir the soil and mellow and fine it as with a garden rake. You can widen and narrow the cultivated strip to any width you please between 12 and 32 inches. This implement is a special favorite with strawberry-growers, market-gardeners and truckers.

DOUBLE CELERY HILLERS



These are now considered indispensable. The leaf-lifters are adjustable in height by bending slightly, and are especially valuable for first workings. With the help of this up-to-date implement some of our best and largest growers are able to do all their cultivating and hill their celery **without any handling**. See the 1930 Planet Jr. Catalogue for full description of tools above. Mailed free on application. See also pages 61 and 62.

CLARK'S TRACTOR BUSH AND BOG PLOW AND HARROW



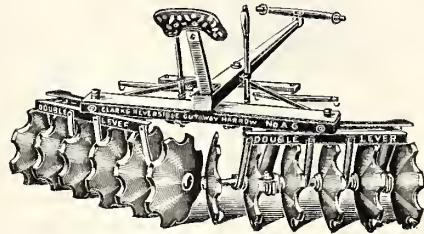
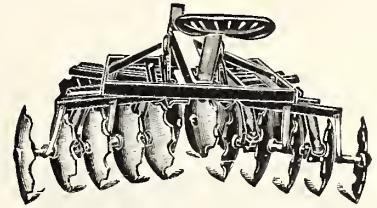
This is a special heavy-duty implement for subduing new land, for plowing bogs, old pastures, or for any plowing or harrowing job too difficult for ordinary implements. It is also used extensively for orchard tillage. Disks are 24 inches in diameter. This serviceable machine is made in four sizes; use with tractor or horses.

Reversible gangs will be furnished with or without weight-box. Screw control is regular equipment; but lever will be furnished if it is preferred.

Keep down blight and other diseases by systematic use of good fungicides. They repay many times their cost. See page 40.

CLARK'S DOUBLE-ACTION CUTAWAY HARROW

The cut represents the A-5 Double-Action Cutaway Harrow with short head and jointed pole. This is the popular two-horse size. We also sell sizes from 3 to 12 feet, with 16-, 18-, or 20-inch cutaway discs.

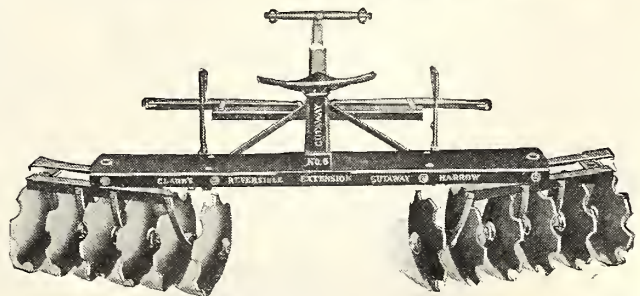
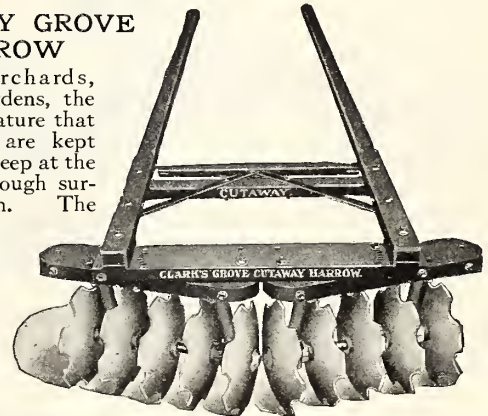


CLARK'S SINGLE-ACTION REVERSIBLE CUTAWAY HARROW

The cut represents the 6-foot Double-Lever Reversible Cutaway Harrow. They are made from 4 to 12 feet in width, and are reversible up to 7 feet.

CUTAWAY GROVE HARROW

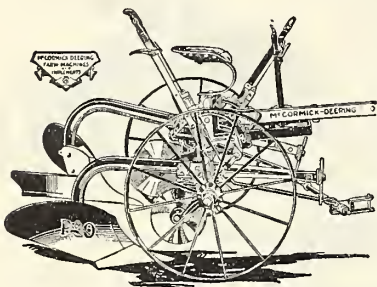
In many orchards, groves, and gardens, the soil is of such nature that often Harrows are kept from going too deep at the sacrifice of thorough surface cultivation. The Cutaway Grove Harrow overcomes this difficulty.



CUTAWAY EXTENSION-HEAD SINGLE-ACTION HARROW

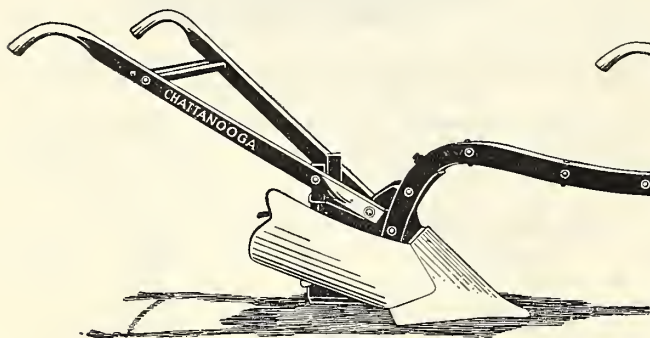
To orchardists the Cutaway Extension-Head Single-Action Harrows are fast becoming the most indispensable tools they use. When the farmers of every class fully understand the soil and realize the importance of intensive tillage, they will recognize how they can increase their crops with Cutaway Single-Action Harrows.

McCORMICK-DEERING TWO-WAY SULKY PLOW

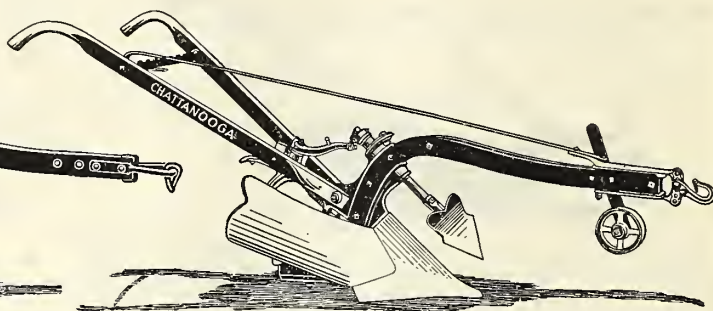


This is a very superior implement for use in hilly fields and in irrigated sections where it is desirable to keep the plowed land free from dead and back furrows. As it is a two-wheel Plow, it can be turned very short and is well suited to small and irregularly shaped fields. It has a right and left-hand bottom, and each has a separate beam and works independently of the other. The Plow can be used always on the same side of the land, one bottom being used going and the other coming back across the field. By raising bottoms at the end of field, the Plow can be turned in its tracks, just like a racing sulky. When changing from one bottom to the other, this hitch automatically takes its position in front of the bottom that is in the ground. The horses alternate, walking in the furrow and on the unplowed land.

The operator may ride or walk, as he prefers. The control levers are provided with additional hand-grips which the operator can reach from his walking position behind the Plow. The lever is also provided for maintaining the proper amount of land. This is handy when plowing sloping land and to keep the furrows straight when the horses pull sidewise.



No. 208



No. 210

McCORMICK-DEERING CHATTANOOGA "200 SERIES" HILLSIDE PLOWS

Chattanooga "200 Series" Plows are equipped with steel mold, chilled share, and extra share. The mold is of good length and of correct design to work well under all general plowing conditions. The beam is made of two flat bars, trussed together to form a beam that is both light and very strong. Beam and handles are of good length.

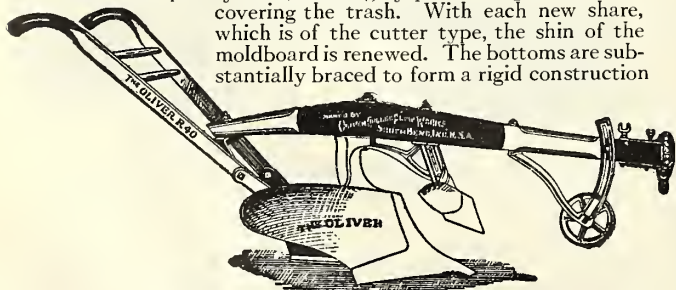
These Plows are furnished under the following numbers: No. 208, one-horse heavy, and No. 210 with lever-shifting clevis. All sizes furnished with gauge wheel. No. 208 has straight shifting hitch and No. 210 has shifting jointer.

No. 208 can be furnished with straight clevis under No. 208-A. Various specials can be supplied for these plows, including hanging cutters.

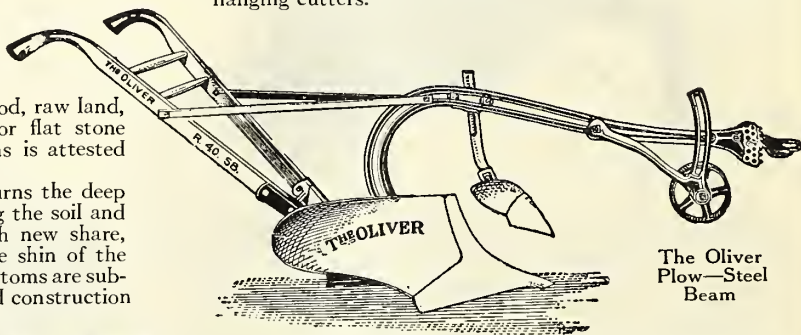
THE OLIVER PLOW

Chilled Plows were developed for use in those sections where a general-purpose Plow must plow sod, raw land, clay, sandy land, clay loam, extreme cobblestone or flat stone land and shale. Their success in these conditions is attested by their numerous users today.

The long, gently curved, high-lift moldboard turns the deep furrow-slice completely over, thoroughly pulverizing the soil and covering the trash. With each new share, which is of the cutter type, the shin of the moldboard is renewed. The bottoms are substantially braced to form a rigid construction



The Oliver Plow—Wood Beam



The Oliver Plow—Steel Beam

and reduce possibility of breakage. The long chilled landside is flanged to hold the Plow in the ground and make it steady running, even in stony ground. Hanging or rolling colter, gauge wheel or jointer, furnished extra on order.

THE EDDY IMPROVED FIELD MARKER

A first-class three-row Marker, suitable for marking out land for rowed crops of any kind.

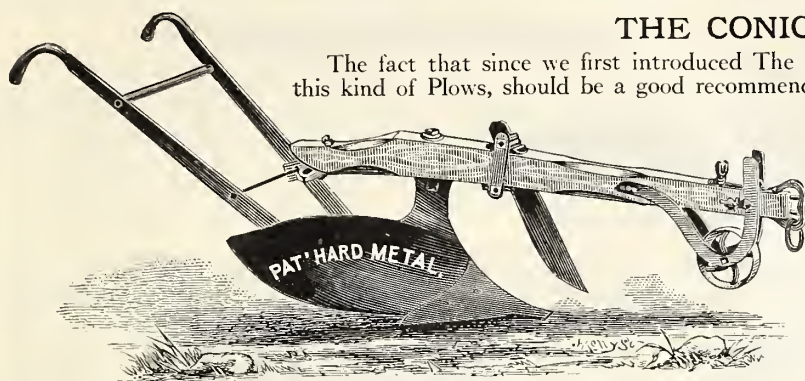
THE CONICAL PLOW

The fact that since we first introduced The Conical we have made and sold over 15,000 of this kind of Plows, should be a good recommendation for it. The demand for this Plow shows the strong hold it has among the farmers.

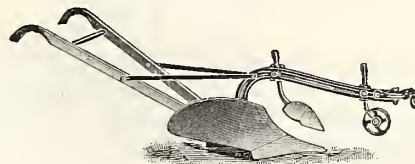
1-Horse, Plain, No. 2, and 2½.

No. 4, 2-Horse.

All two-horse Plows with Wheel and Cutter.



The Conical Plow



Syracuse Two-Horse Landside Plow

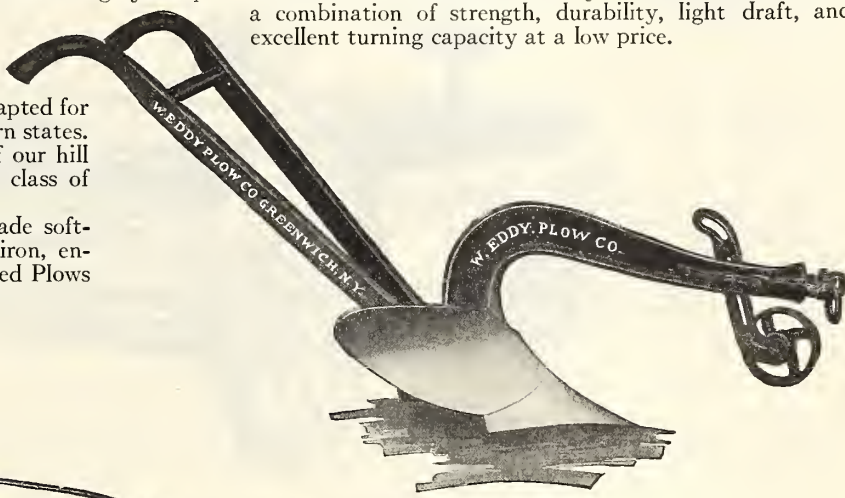
SYRACUSE TWO-HORSE LANDSIDE PLOW

We carry a full line of these Plows and would call your attention to the No. 62. These Plows are modeled after the Nos. 31 and 32, but are made with a removable chilled iron shin-piece. This shin-piece detaches easily, being locked at the lower point and held in place by one bolt. Made with a highly tempered soft-center steel moldboard only. In this Plow we have a combination of strength, durability, light draft, and excellent turning capacity at a low price.

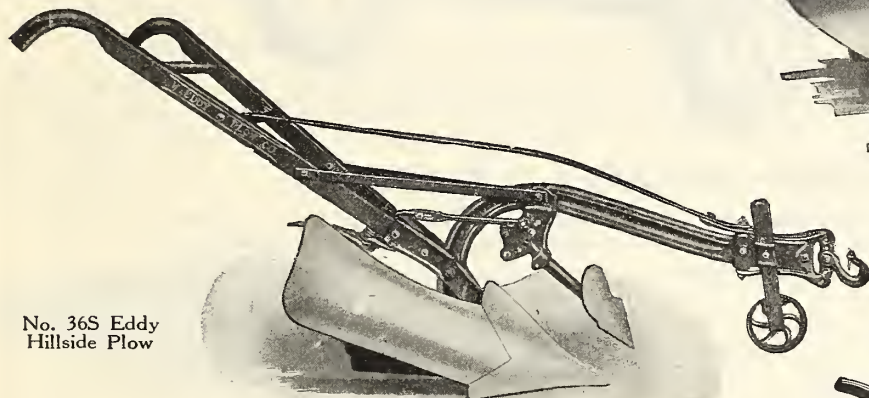
EDDY PLOWS

The No. 4S Plow is a model especially adapted for work on the rough, stony farms of the eastern states. Built to withstand the strains and wear of our hill farms, it has never been excelled for this class of work.

Moldboards are furnished of highest grade soft-center steel, open-hearth steel, or chilled iron, enabling a dealer to carry three different-priced Plows with but one line of extras.



No. 6 Eddy Plow



No. 36S Eddy Hillside Plow

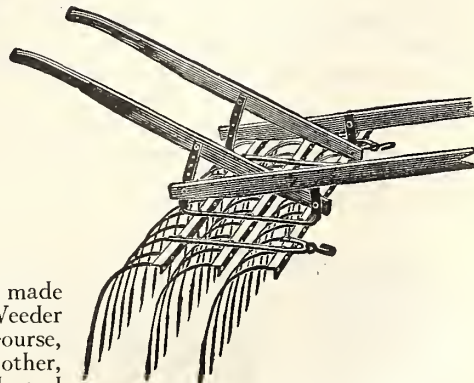
This cut shows the Eddy Plow equipped with colter and with jointer.

While intended primarily for hillside work, its moldboard is so modeled that it will run evenly and turn a furrow equal to any flat land plow.

We also carry the Eddy one-horse, No. 52L, Wood Beam and O6 Steel Beam Plows.

HALLOCK SUCCESS WEEDER

Teeth are separately removable. Handles and shafts adjustable. Teeth are made of flat spring-steel (round at lower end). The frame is angle steel, giving the Weeder by far the best frame on the market. It weighs no more than wood and is, of course, better in every way. Each tooth is secured to the frame independently of the other, hence you can in about two minutes remove the teeth over the rows if you wish, and in some cases this is very desirable.



Hallock Success Weeder

McCORMICK-DEERING PEG OR SPIKE-TOOTH HARROW

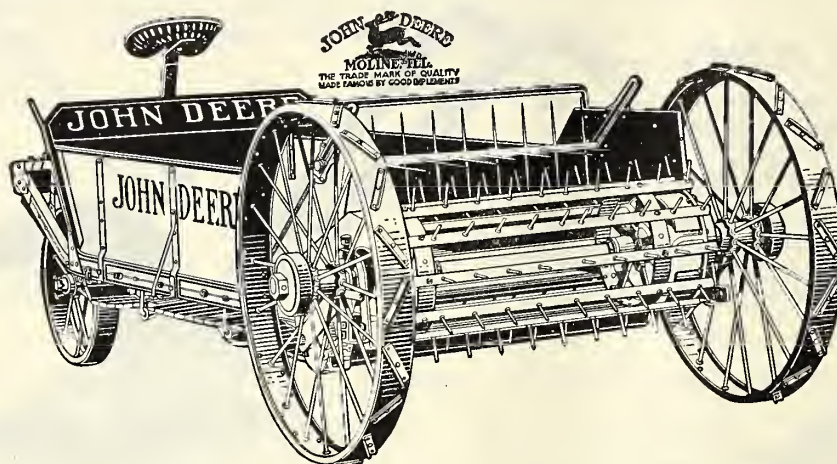


Horse and Tractor Sizes

Of the McCormick-Deering Peg-Tooth Harrows, the closed-end Harrow is the most popular. It is a rigid-frame Harrow, solidly put together, and good for years of hard use. The wood-bar lever Harrow is popular where weight is a requirement.

The closed-end Harrow is supplied in 1 to 4-section sizes, with 25, 30, or 35 teeth to the section. The open-end Harrow is supplied in the same sizes. Teeth are $\frac{5}{8} \times \frac{7}{8}$ inches, diamond shaped. Draw-bars are furnished except on single sections.

Spring-tooth Harrows can be supplied with either channel-steel or round-pipe bars. The spring teeth are securely attached to the tooth-bars and will not work loose. Teeth can be supplied to meet the requirements of different sections or to adapt the Harrows to different purposes. The line includes a special Harrow for killing quack and Johnson grass. Spring-tooth Harrow sizes range from $2\frac{1}{2}$ to 15 feet. The line also includes a combination Harrow with a row of trailing spike teeth in addition to the spring teeth.



JOHN DEERE SPREADER

A Revolution in the Art of Spreader Building

Beater on axle makes it easy to assemble; easy to load—36 inches high; easy to operate—only two levers.

Rotary rake insures uniform spreading and reduced draft.

Ball-bearing eccentric and positive ratchet feed insure easy and uniform operation of steel-link apron under all conditions.

Rear wheels 48 inches high—proper traction, light draft.

All-steel, 10-bar beater mounted on roller bearings—practically indestructible—easy running.

Beater driving gears simple and durable, like triple gear horsepower—run in oil.

Shock-absorbing spring relieves Spreader and team of sudden strains.

Cold rolled steel axle, mounted in self-aligning bearings, stays put, and runs easy.

High carbon-steel frame, well trussed, carries heavy loads and working parts without sagging.

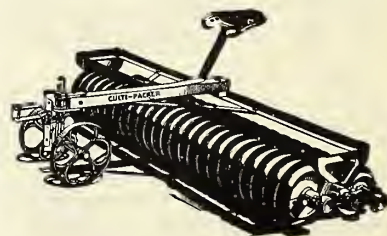
No exposed wearing parts—no chains—no clutches—no adjustments.

Straw Spreader Attachment makes a practical Straw Spreader—spreads all kinds of straw in any condition.

INTERNATIONAL CULTI-PACKER

THREE TOOLS
IN ONE

This is one of the best built machines that ever helped the farmer to get a bumper crop. The frame is made of heavy angle steel bars, bolted fast. Two channel steel bars run diagonally from the tongue across the frame. It takes the place of the old roller. This is not only a clod crusher, but a pulverizer, packer, and cultivator. This machine is practically indestructible and will last a lifetime. Length 54 inches. Weight 560 pounds.

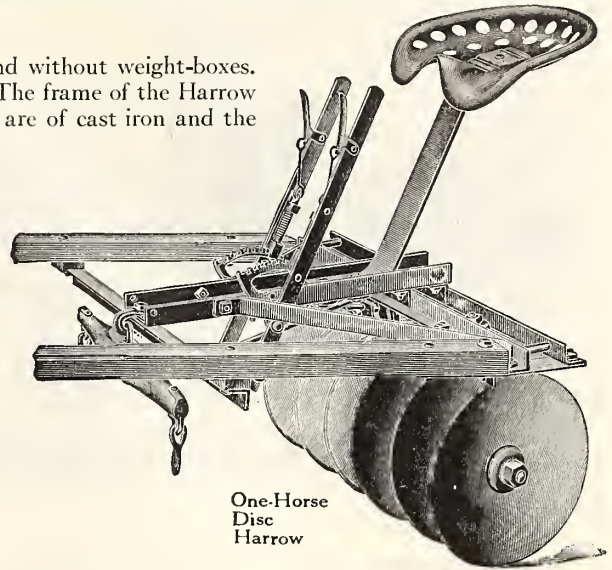


International Culti-Packer

ONE-HORSE DISC HARROW

This Harrow is built with eight discs, 16 inches in diameter, and without weight-boxes. It is a light-weight Disc Harrow for farmers using but one horse. The frame of the Harrow is made of steel angle-bars, very strong and stiff. The standards are of cast iron and the discs are of the same quality as is used on our larger Harrows.

The **Two-Horse Harrow** has 12 discs, 16 inches diameter.

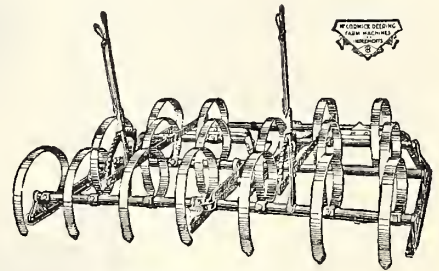


One-Horse
Disc
Harrow

Acme Pulverizing Harrow

ACME PULVERIZING HARROW

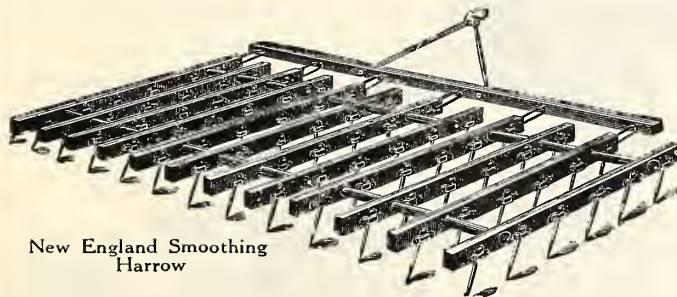
This is not a special tool, as some have supposed, but, as its name implies, a general-purpose Harrow that will do the whole business, viz.: It will crush, cut, lift, turn, smooth and level, all in one operation. It will be observed that the colters all slope backward, thus presenting the least possible resistance, and as they are beveled and ground to an edge, the draft is reduced to a minimum. Being made entirely of cast steel and wrought iron, it is practically indestructible. Nothing but the colters can possibly wear, and these are readily replaced at a trifling cost.



McCORMICK-DEERING SPRING-TOOTH HARROWS

These Harrows are made of the best quality of steel, standards are forged, and high-carbon steel runners are riveted to the frame. Levers and ratchets are made of forged steel and bent to aid the operator in raising the teeth. The teeth are readily adjustable, made of heavy steel and designed with a large curve which gives them free vibration. They are held in place by a forged steel clip, passing around the tooth.

Spring-Tooth Harrow



New England Smoothing
Harrow

NEW ENGLAND SMOOTHING HARROW

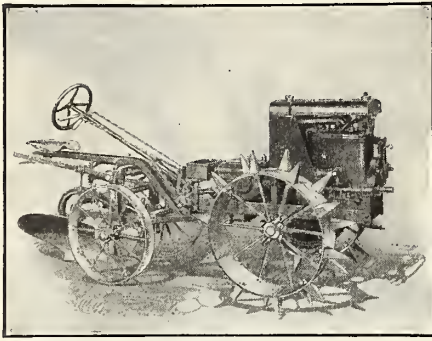
One of the best Smoothing Harrows on the market. The teeth are $\frac{1}{8}$ inch mean diameter and are attached to the side of the bars by a malleable clasp, and are so arranged that by hitching to one end of the Harrow the teeth pull slantwise; by hitching to the other end the teeth pull straight.

THE MIDGET SEEDER

Will pay for itself in a very short time, because it saves seed by sowing accurately. Sowing by hand wastes seed. It is very easy to operate and drills almost any kind of garden seed from the smallest up to peas and beans. The index is in plain view and easily adjusted. The shoe is adjustable for any depth desired, and the coverer swings free. The Midget opens the furrow, sows the seed, and covers up, all in one operation. It is sold with handle complete or may be easily attached to almost any wheel cultivator with one bolt. After a fair trial last season we are willing to give it our full indorsement as a valuable garden tool

The Midget Seeder
For Small Farms
and Home-Gardens





Model G

THE CENTAUR FARM TRACTOR

The Model G 10-5 H. P. Centaur is a light farm Tractor of wide utility range. The Centaur plows, harrows, seeds, mows, hauls, and furnishes belt power. The Model G Centaur will do all the power work on the farm having as much as 50 acres under cultivation.

A 12-inch Plow is used with the Centaur and about $2\frac{1}{2}$ acres can be plowed in nine hours. The Centaur is the highest type power unit for cultivating purposes and will do more and a better job of cultivating than can be done with a team. In all work the Centaur operates at a cost of about 15 cents an hour.

In all kinds of work the Centaur is easy to operate and does the job quicker, easier, better, and at a less cost than it can be done in any other way.

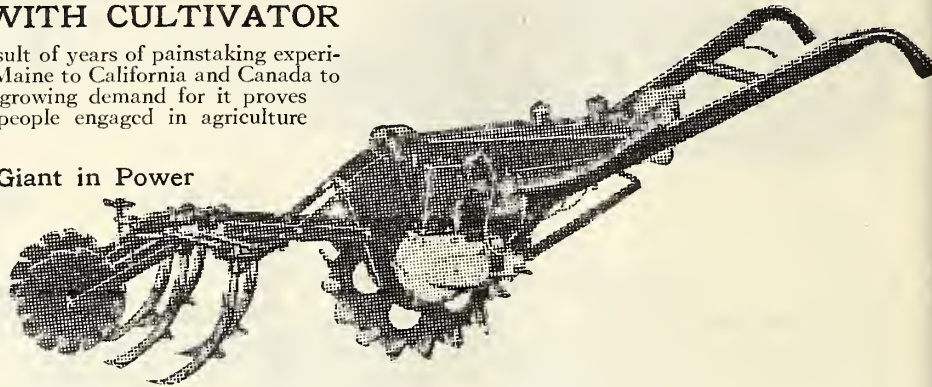
Special catalogue and prices will be mailed to you on request.

GRAVELY TRACTOR WITH CULTIVATOR

This Tractor and Cultivator, the result of years of painstaking experiments, has been tried and tested from Maine to California and Canada to Cuba, without a failure. The rapidly growing demand for it proves that it is just the machine that the people engaged in agriculture have been looking for.

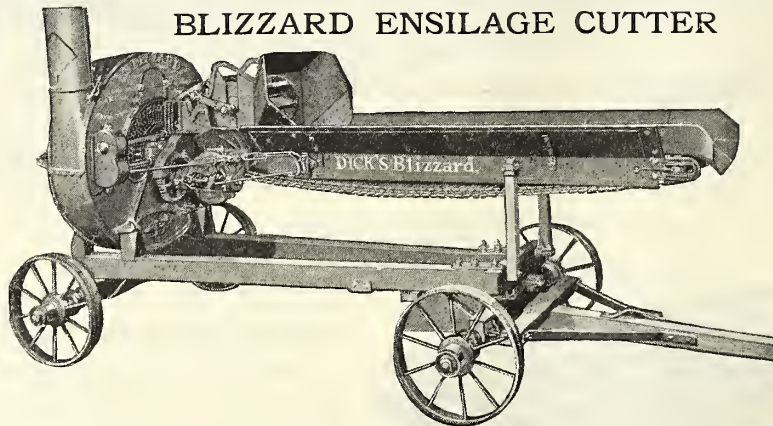
A Midget in Size—a Giant in Power

It is a compact, single-wheel machine of perfect balance, making it easy of operation, and has five $2\frac{1}{4}$ by 10-inch Cultivator Steels, which can be kept any desired distance from the plants. The men who built it knew how to farm as well as build Tractors and Cultivators, for it will get into the narrow rows and corners, make short turns, pull big tools, or do the most delicate cultivating jobs.



Works 4 to 6 hours on a gallon of gas. Tractor, with Cultivator equipment, \$250 f.o.b., Providence.

BLIZZARD ENSILAGE CUTTER



At last—A Self-feeding Cutter—Biggest Ensilage Cutter improvement of years

The patented automatic feeding device in use on the latest model of Dick's Blizzard Ensilage Cutter puts this original and old reliable Cutter still further in the lead.

The double-feed feature results in big increase of capacity with easier feeding. It makes Dick's Blizzard Cutters absolutely self-feeding and saves one to three men.



Steel Land Roller

STEEL LAND ROLLERS

Our Steel Land Rollers are the most popular in the market today. Their construction is that which makes them the strongest, most durable, and easiest-draft Roller in use today. Roller-bearing and closed ends.

One-horse, 6 feet, 2 sections, 2-foot diameter.

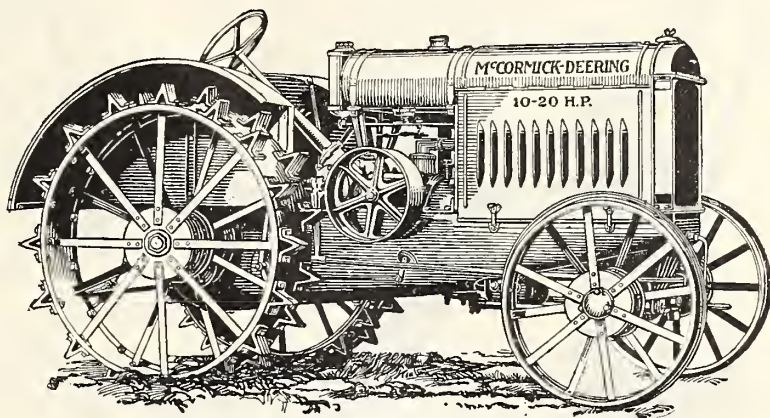
Two-horse, 8 feet, 3 sections, 2-foot diameter.

McCormick-Deering Tractors

McCormick-Deering 10-20 h. p. and 15-30 h. p. Tractors embody the most modern design and practical developments in the Tractor industry. Tractor power and profitable production of crops go hand in hand. The better the power, the greater the production, resulting in more profits.

Good seed-bed preparation is always desirable, and experience shows that it pays well to do a good job. Here again the Tractor farmer has the advantage because he can not only do more work but can do it better. With Tractor-drawn implements, which are much heavier and stronger, he can work the soil to the proper depth and make the seed bed to his liking. He can do just as fast and just as good work the last hour of the day as the first. There is no slighting or skimping; the whole field is all done the same.

McCormick-Deering Tractors are triple-power. The amount of actual service you get from your Tractor depends on the number of ways you can use it—the number of ways it delivers power for useful work. It is only natural then that a triple-power Tractor—one that delivers useful power on the drawbar, the pulley, and also directly to the pulled machine by a power take-off, is more valuable and serviceable to its owner than one that does work only on the belt and drawbar. You have power as you need it.



McCormick-Deering 10-20 Horse-Power Tractor

The efficient lubrication system will enable the Tractor owner to get more satisfactory service and more productive power from his Tractor.

The powerful engine is of the vertical, 4-cylinder, valve-in-head type. The pistons are long, and provided with four piston rings and two oil grooves. This is considered the very best type of piston construction.

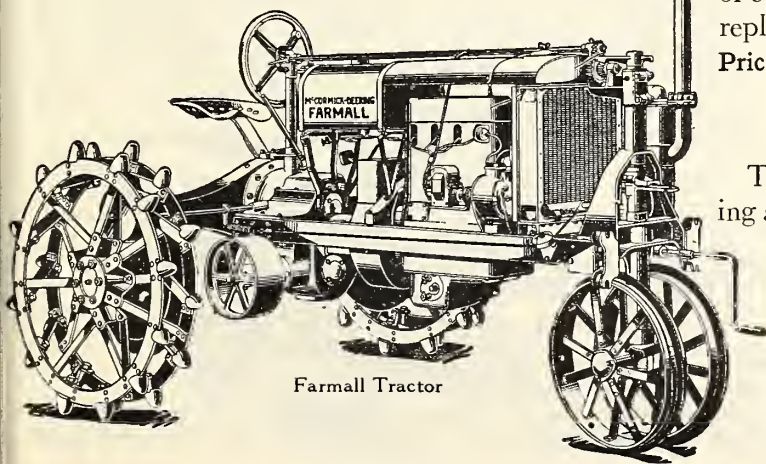
McCormick-Deering Tractors combine the right amount of weight with the power of the engine. Proper weight is very important. It insures the right amount of traction to get the best results on drawbar work.

Other important features of the construction are the thermo-siphon cooling system, durable dry-disc clutch, selective transmission, the accessibility of all working parts, etc. All wearing parts are replaceable. This means that after years of service the parts that may show wear can be replaced on the farm at small cost.

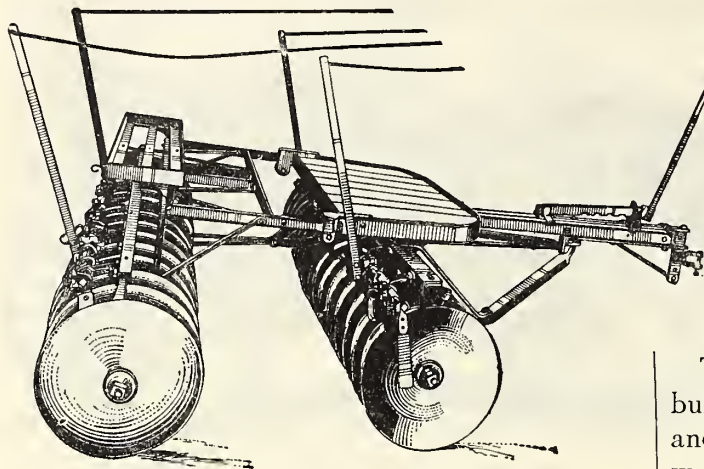
Prices and illustrated catalogue on McCormick-Deering Tractors sent on request

Farmall Tractor

The Farmall is the practical power for planting and cultivating corn and other row crops. It will do all ordinary tractor work and in addition do the planting and cultivating. It not only supplies an abundance of power for plowing, discing, culti-packing, harrowing, harvesting, and haying, but it is so constructed that it will do the planting and cultivating of such row crops as corn, vegetables, etc.



Farmall Tractor



McCormick-Deering Tractor Disc Harrow

McCORMICK-DEERING TRACTOR DISC HARROW

The McCormick-Deering Tractor Disc Harrow is built to stand up to the heavy work which a tractor-drawn harrow is likely to be called upon to do. The side and front frame are made of one piece of heavy steel securely riveted at the corners. The stub tongue comprises two steel angle bars, completing a front frame that is extremely strong and rigid. The rear frame consists of a rigidly braced and cross-braced horizontal frame securely attached to the heavy rear gang arch.

This harrow is built for long service and

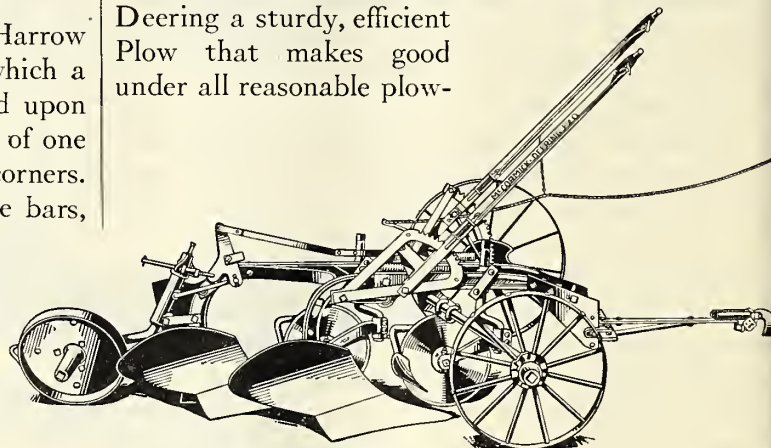
is so constructed that it is rigid while working but flexible when turning.

The McCormick-Deering Tractor Disc Harrow is built in 5-, 6-, 7-, 8-, 9-, and 10-foot sizes and equipped with 16- or 18-inch discs. There is a size to suit any tractor.

Ask for special catalogue and prices

McCORMICK-DEERING P. & O. TRACTOR PLOWS

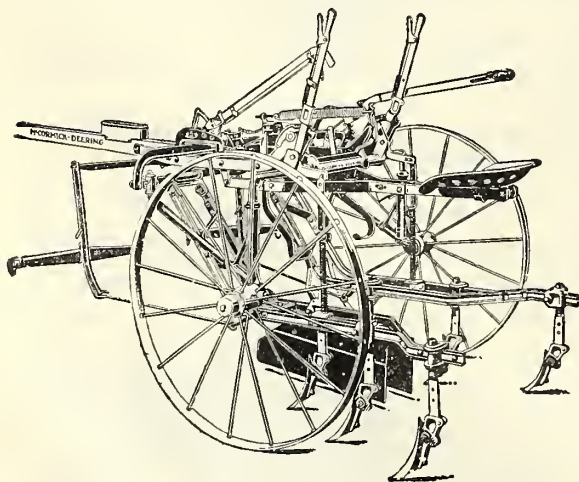
The McCormick-Deering Tractor Plow is built for use with small tractors. Sturdiness and dependability are combined with light weight, light draft, and low price. Heat treating parts subject to strain, simplification of design, and the intelligent employment of material, placing weight only where necessary to strengthen, have produced in the McCormick-Deering a sturdy, efficient Plow that makes good under all reasonable plow-



McCormick-Deering Tractor Plow

ing conditions. A single trip rope enables the plowman to get the bottoms into or out of the ground at will. Plenty of clearance between the bottoms, and under the beams, and under the bottoms when they are raised, enables this Plow to do good work in trashy ground.

Sizes and Equipment: Made in 2-furrow only with 14-inch bottoms. Stubble, Scotch Clipper or Black-land bottoms with quick-detachable shares or Slat or Breaker bottoms with bolted shares. Combination colters and jointers furnished. Alfalfa or Cobblestone shares supplied on special orders. A rear-wheel attachment and weed hooks are supplied at additional cost.



McCormick-Deering New 4-Pivot Axle Cultivator
For description see page 71

Have our Demonstrator call on you. Special catalogue and prices on application

MCCORMICK-DEERING NEW 4-PIVOT AXLE CULTIVATOR

With 6-shovel, Steel-Beam, Pin-Break, Slotted Shank Gangs, Pictured on page 70

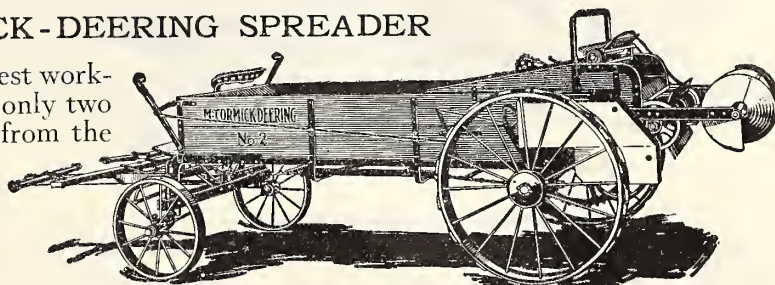
The McCormick-Deering New 4-Pivot Axle Cultivators are adaptable to all row crops and can be supplied with a wide range of gang and shovel equipment. Each gang has a double steel beam connected by broad couplings to a movable steel bar which is suspended from a steel I-beam riding on two long rollers, one at each side of the frame. As the gangs are shifted by pressure on the foot

pedals their weight moves on these rollers and almost no effort is required to control them, even in crooked cross cultivation.

Ask us for prices and special catalogue describing the McCormick-Deering New 4-Pivot Axle Cultivator, the gang and shovel equipment and fertilizer attachment.

MCCORMICK-DEERING SPREADER

A well-built, durable Spreader of the finest workmanship, so light in draft that it requires only two horses. The box is just the right height from the ground for easy loading. In order to produce best results, manure must be well shredded and uniformly spread, and this the McCormick-Deering does to a surprising degree. Two steel beaters pulverize the manure, after which it receives a third beating and is spread out evenly beyond the wheels by the widespread spiral. Unevenly spread manure or lumps interfere later with the proper plowing or cultivation of the field. It has six conveyor speeds and eight roller bearings; spreads so evenly that manure does not interfere when working the ground with other machines and so thinly that it will not interfere with the



McCormick-Deering Spreader

pasturing of stock; permits spreading after seeding or planting, or can be used to top-dress the meadow or pasture without choking down the grass or grain; can be operated by a boy just as well as by a man, and it has an auto-steer front truck.

The Spreader weighs approximately 1375 pounds, with a capacity as ordinarily loaded of $57\frac{1}{2}$ to $67\frac{1}{2}$ bushels. The box is 19 inches deep.

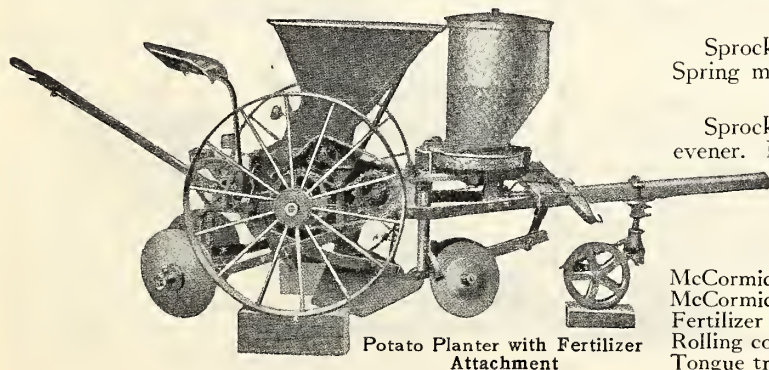
MCCORMICK-DEERING POTATO PLANTER WITH FERTILIZER ATTACHMENT

The McCormick-Deering Planter embodies new features which add to its ability to plant cut seed and small whole seed with a high degree of accuracy.

It can be furnished either with or without the fertilizer attachment. The seed hopper holds about three bushels. A corrugated feed wheel in the bottom of the hopper works the

seed from the hopper into the feed chamber as needed. Improved picker arms catch the seed and convey it a piece at a time to the discharge boot, which conveys it to the furrow.

The furrow opener and covering disks are raised or lowered together, and the planting mechanism is started or stopped automatically as they are raised or lowered.



Potato Planter with Fertilizer Attachment

REGULAR EQUIPMENT

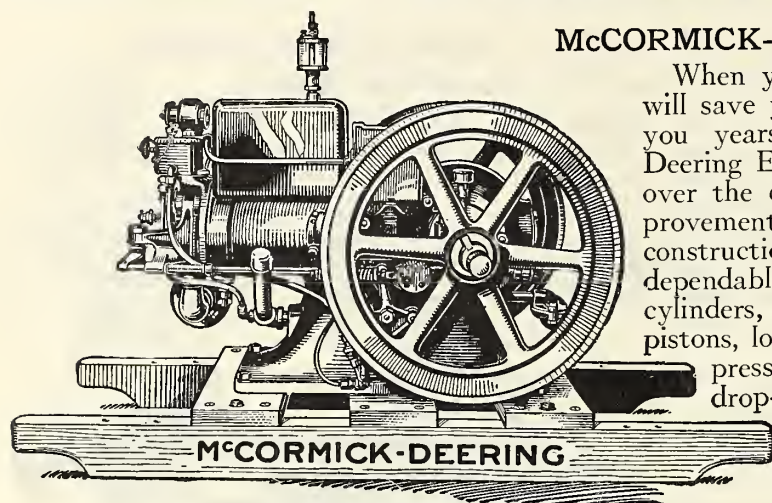
Sprockets for 13 and 15-in. spacing. Disk covers. Spring marker.

EXTRA EQUIPMENT

Sprockets for 9, 11, 17 or 20-in. spacing. Two-horse evener. Neckyoke. Fertilizer attachment. Tongue truck. Rolling colter for plain planters.

SPECIFICATIONS

Description	Weight
McCormick-Deering Potato Planter.....	580 lbs.
McCormick-Deering Potato Planter, fertilizer attachment.....	735 lbs.
Fertilizer attachment (crated for shipment).....	230 lbs.
Rolling colter for plain Planter.....	20 lbs.
Tongue truck.....	40 lbs.



McCormick-Deering Engines, 1½ and 3 H. P. Sizes

REGULAR EQUIPMENT

Magneto; Skids on 1½ and 3 H. P.; Skids on 6 and 10 H. P. when not portable; plain pulley.

A McCormick-Deering Engine will lighten your task and will save you many days of weary, hard work. Ask for special catalogue and prices.

McCORMICK-DEERING ENGINES

When you select an Engine you want one that will save you money in doing your work and give you years of satisfactory service. McCormick-Deering Engines are doing this for their owners all over the country. Every year has seen some improvement which has added to the high quality of construction. Some of the special features on these dependable quality-made Engines are renewable cylinders, valve-in-head construction, close-fitting pistons, long connecting rods, which reduce the side pressure on the pistons to a minimum, strong drop-forged steel crankshafts, large well-made bearings, serviceable magnetos (no batteries are needed), simple hopper cooling system, throttle governor, strong completely enclosed one-piece crank-case, provided with handhole cover and plates which can be removed, thereby making the working parts easily accessible, serviceable oiling system, etc.

McCormick-Deering Engines are built in 1½, 3, 6, and 10 H. P. sizes.

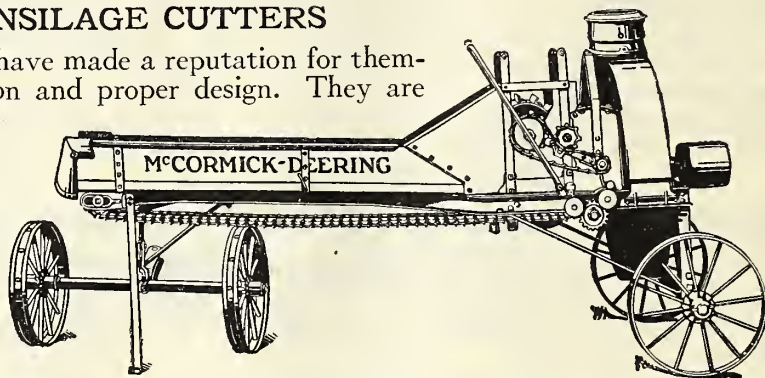
McCORMICK-DEERING ENSILAGE CUTTERS

McCormick-Deering Ensilage Cutters have made a reputation for themselves because of their sturdy construction and proper design. They are built of high-grade materials throughout. Steel is used wherever it gives the best service.

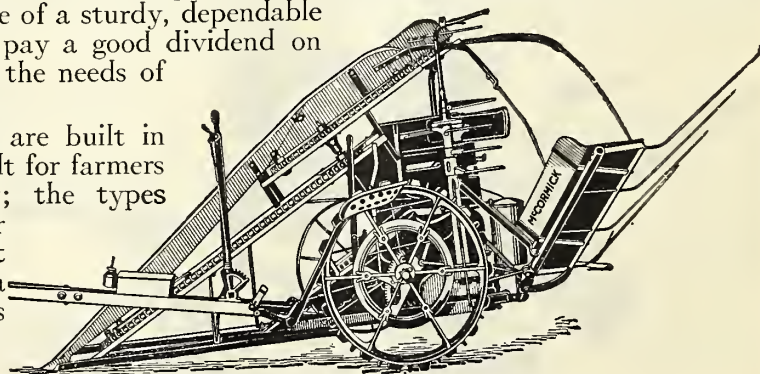
There are many splendid features on McCormick-Deering Ensilage Cutters which make them popular with users. For instance, the substantial main frame, steel fly-wheel, knife-on-fly-wheel construction, shear cutting, high throw, large paddle roll, steel conveyor, high and wide feed throat, reversible cutter bar, splendid oiling facilities, and special safety features. Knives can be quickly changed.

Experience shows that the silo saves from 30 to 40 per cent of the feeding value of the corn crop that would otherwise be wasted. The use of a sturdy, dependable McCormick-Deering ensilage cutter will pay a good dividend on the investment. There is a size to meet the needs of every farm where corn is grown.

McCormick-Deering Ensilage Cutters are built in five sizes: The A, B, and E type are built for farmers who want machines of large capacity; the types F and G are used mainly by the farmer who wishes to fill his own silo without extra help, or where a machine of a smaller capacity than the other types is desirable.



McCormick-Deering Ensilage Cutter



McCormick Corn Binder. See page 73

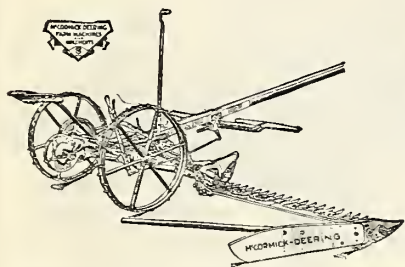
Ask for special catalogue

McCORMICK CORN BINDER

The McCormick Corn Binder is made to stand up and give long, satisfactory service under all field conditions. It is a light-draft machine, because it is made almost entirely of steel and all the important revolving parts, which are subject to any great amount of friction, are equipped with self-aligning roller bearings. Large lugs on the main wheel insure good traction and the machine cuts both heavy and light corn with equal facility.

The McCormick picks up down and leaning corn, follows rows easily, vital parts are easily accessible, elevator chains gather and hold stalks upright until bound, makes firm, squarely butted bundles, and the reliable knottier ties right every time. It binds tall or short corn. Every lever for the control of the machine while cutting corn in the field is within easy reach of the man on the seat. Ask for special catalogue illustrating and describing these machines.

Tongue, three-horse evener, and tools are regular equipment on McCormick Corn Binders. With high wages, the cost of cutting corn by hand is too great to be practicable. The McCormick Corn Binder will reduce the cost of cutting the corn and will bind it in bundles so that it is easy to handle.

**McCORMICK-DEERING MOWERS**

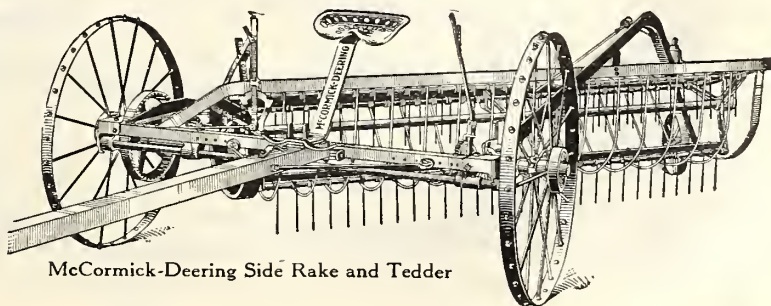
McCormick Mowers have a world-wide reputation for light-draft and easy-running qualities. They were the first machines of their kind to be equipped with ball and roller bearings. McCormick Mowers are made in three types: Regular lift, vertical lift, and giant or heavy-duty type. Strength has been built into the McCormick Mower frame where strength is needed. Water cannot accumulate about the butt of the pole and cause it to rot as the end of the pole is covered by the frame of the Mower. The first step in the transmission of the power from the drive-wheels to the knife is through an internal gear and pinion. This is regarded as an unusually strong and efficient type of drive, because with the internal gear the greater part of two teeth is constantly engaged. The crankshaft retains oil. A wide hinge and rugged construction keeps the cutter bar in alignment. Drag-bar arrangement gives ample traction on rough ground.

Ask us for special catalogue, illustrating and describing these dependable Mowers

McCORMICK-DEERING SIDE RAKE AND TEDDER

The McCormick-Deering Side Rake and Tedder is instantly convertible from a Side Rake to a Tedder by changing the direction in which the reel revolves. One lever controls the direction in which the reel revolves, while another lever sets the teeth at the correct slant for raking or tedding. Roller bearings make the rake exceptionally light draft. The angle steel frame, the rigid bracing, including large truss beam running over the reel, the extra-heavy gears, heavy piping for reel, tooth bars, and the solid steel main axle gives this machine great strength. Reel ends can be raised or lowered to take care of varying conditions of hay or ground.

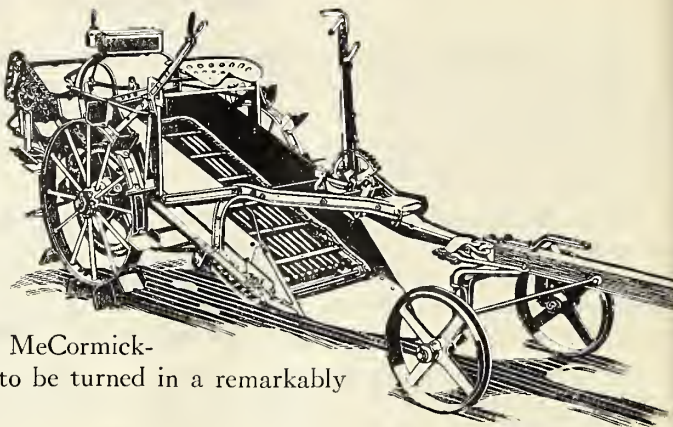
One caster wheel is regularly supplied with the McCormick-Deering Side Rake and Tedder. The pole is regular equipment. Neck-yoke, double-trees, and extra caster wheel may be had on special order at additional cost. A McCormick-Deering Side Rake and Tedder will often make it possible for you to cut hay and get it into the barn the same day. The one machine does two important jobs.



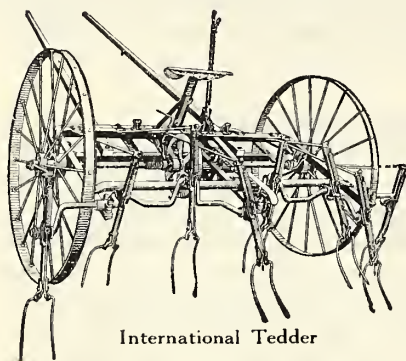
McCormick-Deering Side Rake and Tedder

McCORMICK-DEERING POTATO DIGGERS**No. 5 (Rear Shaker and Vine Turner)**

The No. 5 Diggers are equipped with rear shaker and vine turner. This equipment is best for normal digging conditions, as the vine turner deflects the vines to the side, leaving the potatoes in a clean neat row behind the digger. Where the soil is sticky or hard to shake out and an extra amount of agitation is required, the extension elevator adds about 3 feet of cleaning capacity and gives cleaner separation of the potatoes from the soil.



The specially designed tongue truck permits the McCormick-Deering Digger to be turned in a remarkably short space.



International Tedder

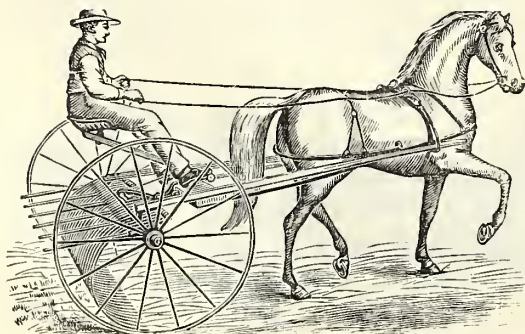
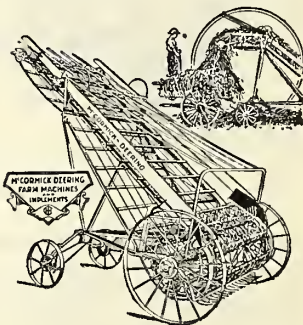
INTERNATIONAL TEDDERS

On International Hay Tedders the forks are provided with long coiled-steel springs which allow them to spring back when an obstruction is encountered. The springs also relieve the Tedder of the strain caused by the rapid movement of the forks. The power is applied from the center of the main shaft, distributing the strain equally over the entire Tedder. The forks have extra-wide bearings and the boxes are easy to remove. Springs between the main and thill frames absorb shock and vibration. Wheels are interchangeable. Clutch and balancing levers are within easy

reach of the driver. Seat is adjustable. Fork and main and crank-shaft bearings are supplied with oil-cups. Shafts can be converted into pole for two horses. Made in 6- and 8-fork sizes.

McCORMICK-DEERING ADJUSTABLE WINDROW HAY-LOADER**SUPPLIED WITH EITHER SINGLE OR DOUBLE CYLINDER**

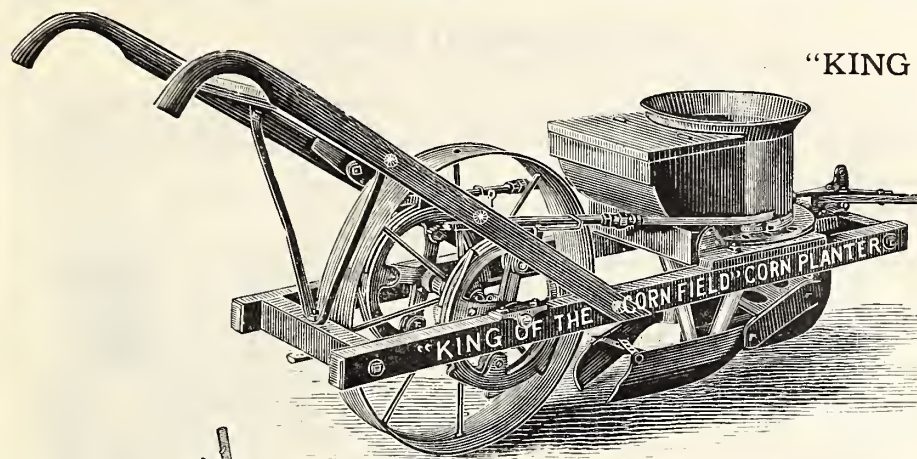
These gearless Hay-Loaders are made in one width only, and are also equipped with an adjustable section so that hay can be delivered 3 feet nearer the rack when starting the load, but the side boards do not fold. The gearless Hay-Loader picks up hay from the swath as well as the windrow. One man can operate it, if necessary, thus doing without a rake.



Yankee Horse Rake

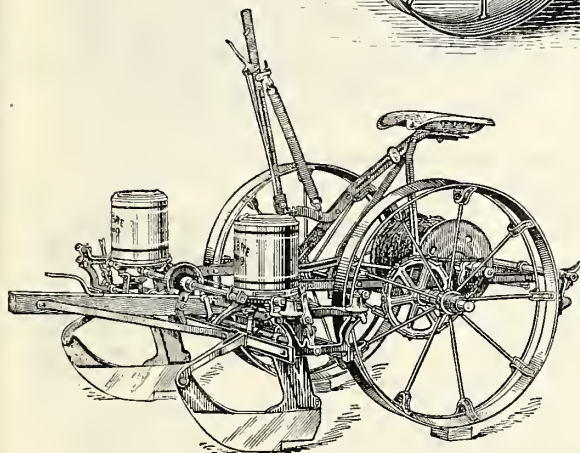
THE YANKEE HORSE RAKE

Some of the leading points of superior excellence found in the Yankee Horse Rakes: Simplicity of construction and facility of management; adaptability to any and all conditions of surface and crops; operated by the power of the horse and the driver's feet; the rake-head is hung so as to balance the teeth; teeth running level with the ground at their points; has more teeth (which are hung nearer together) than any other Rake; all the teeth inserted and removed in less than two minutes' time, without disturbing any bolts; each tooth independent and supplied with a yielding spring that will permit the tooth to pass safely over any obstruction that the axle will pass.



**"KING OF THE CORNFIELD"
CORN, BEAN,
AND PEA PLANTER
AND FERTILIZER
DISTRIBUTOR**

This Planter has proved itself perfectly adapted to every requirement; durable and simple in construction, not liable to get out of order, and anyone can at once understand and manage it.



Deere No. 999 Two-Row Corn Planter

DEERE NO. 999 TWO-ROW CORN PLANTER

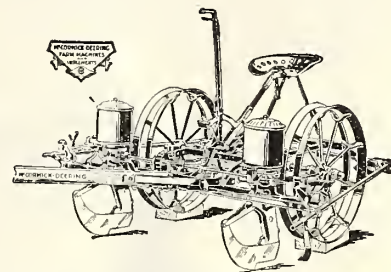
The most accurate Two-Row Planter in use today. All that is necessary to plant any number of kernels is to revolve the seed-plates far enough to collect and deposit that number in the valves. Seed-plates cannot be put in wrong, they will not fit unless put in correctly.

**McCORMICK-DEERING NO. 102
CHECK-ROW CORN PLANTER**

McCormick-Deering No. 102 Planter covers every possible requirement for planting corn and is recommended where the utmost accuracy is required. Since the kernels vary more in their length and breadth than they do in thickness, the edge-drop plate, or, as it is sometimes called, the edge-selecting plate, naturally gives the greatest degree of accuracy. For un-

graded corn, the flat-drop plates will probably give greater accuracy. The point is, however, that you can have edge-, flat- or full-hill-drop plates for your McCormick-Deering Planter. You can have full runner, stub runner or disc furrow-openers.

Equipment which can be supplied on special order includes plates for peas and beans, kafir corn, milo maize, broom corn, soybeans—in fact, any seed you would be likely to want to plant with a Corn Planter. A fertilizer attachment can be supplied, also two-horse hitch and furrowing attachments (either disc or blade), and gauge shoes.



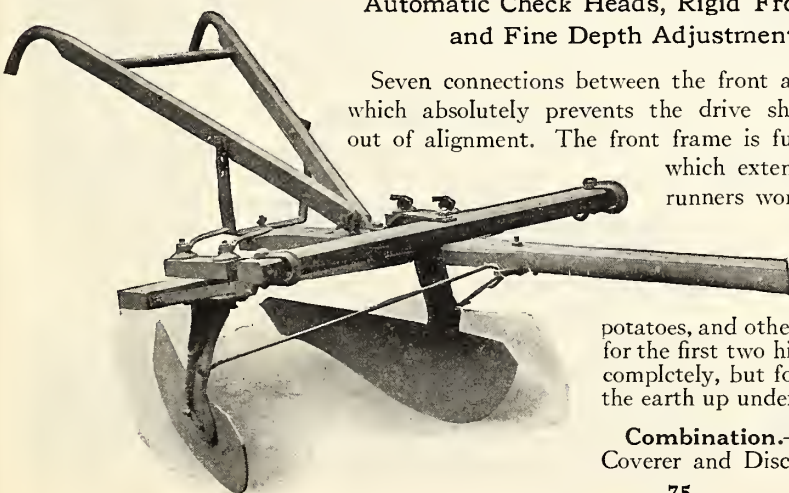
**Automatic Check Heads, Rigid Front Frame
and Fine Depth Adjustment**

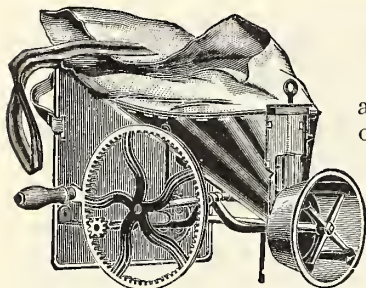
Seven connections between the front and rear rails of the front frame give a rigidity which absolutely prevents the drive shaft, clutch and other working parts from getting out of alignment. The front frame is further greatly strengthened by heavy pole braces which extend across the front frame and make both planter runners work at the same depth.

HORSE HOE OR WING COVERER

These tools are used for hoeing and hilling corn, potatoes, and other hoed crops. Many potato-growers use the disc hoe for the first two hillings when it is desirable to cover the young plants completely, but for later hillings use the Wing Coverer, which pushes the earth up under the plant and leaves the foliage on top.

Combination.—We can furnish a frame with both the Wing Coverer and Disc Coverer so that either set may be put on and used.





Cahoon Seed Sower

CAHOON SEED SOWER

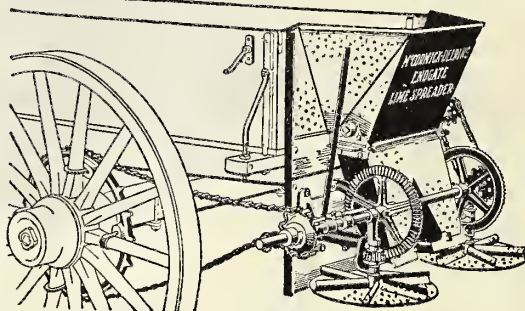
For Sowing Wheat, Barley, Oats, Buckwheat, Rye, Grass, Seed, Etc.

Sows from 4 to 8 acres per hour at a common walking gait throwing out wheat a distance of 40 feet wide. These machines are the acknowledged superior of all others of their class, and by their use a saving of four-fifths the labor and one-third the seed can be effected. A person entirely unused to sowing by hand can use this machine with perfect success.

MCCORMICK-DEERING ENDGATE LIME SPREADER

The McCormick-Deering Endgate Lime Spreader is quality-built throughout. It will stand up under hard usage and will serve efficiently under almost all spreading conditions.

The essential features of the McCormick-Deering Endgate Lime Spreader are simplicity, durability, wide sowing range, and a non-clog feed. The extreme simplicity of the McCormick-Deering appeals to the user of farm machines. It means long life at exceptionally low operating cost. It means less deadweight to move over the ground. It means lighter weight and lighter draft without sacrificing needed strength.

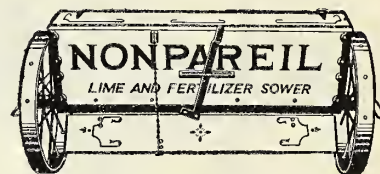


ONE-HORSE NONPAREIL LIME AND FERTILIZER SOWER

This one-horse machine was especially designed to meet the growing demand for a machine of this kind. It is the biggest little Sower manufactured, having a sowing swath of only 5 feet, 10 inches, but a capacity of 10 bushels. It has a wide sowing range and will take care of all the different kinds of agricultural lime and commercial fertilizers. This machine is equipped with both cover and screen, $\frac{5}{8}$ inch mesh. Wheel-guards are also supplied to prevent vines and shrubbery from winding in the wheels.

Nonpareil Sowers will distribute successfully every known kind of agricultural lime and commercial fertilizer used on the farm, providing it will pass through the screen into the hopper of the sower. Commercial fertilizer is perhaps the hardest material to sow successfully, and unless it is absolutely dry it is impossible to sow in a satisfactory way less than 600 pounds to the acre.

Wet or damp material is very hard to sow with any degree of success and we do not recommend Nonpareil Sowers for this work. But they are guaranteed to work successfully when material is in fit condition to be put through a sower.



THE STEVENS' HAND FERTILIZER SOWER

The finest Golf-Greens and Lawns can be obtained only by an even distribution of fertilizers

This Sower does the work perfectly, sowing all kinds of lawn-dressing and other commercial fertilizers, wood-ashes, lime, etc., in large or very small quantities. It can be successfully used for fertilizing strawberry beds, and for other garden and field work; is excellent for sifting wood- or coal-ashes, sawdust, or dry sand on icy walks; will also sow damp sand by removing two blades. The hopper is 34 inches long and holds $1\frac{1}{2}$ bushels. Weight of machine, 83 pounds. It is well made and nicely painted.

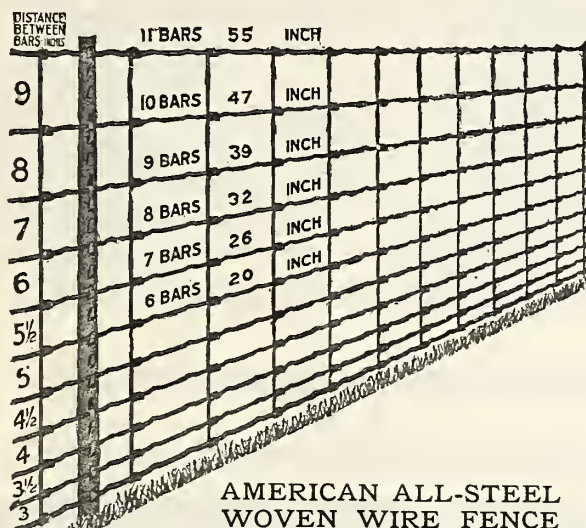


CALCIUM SPREADER

This outfit is for hand use to spread calcium chloride to get rid of the dust that blows in from the gravel highways, roads, driveways, parks, etc., around summer resorts, fine residences, estates, cemeteries, tennis courts, speedways, athletic fields, golf grounds, and everywhere else that dust rises and blows so badly in the summer months that it spoils the grass, shrubs, etc.

This machine will also spread wood-ashes, fertilizers, ground bone, lime, commercial sheep or poultry manure, sand, and lots of other materials that heretofore have been spread with a shovel and broom. We do not offer this Spreader for long miles of gravel highways where a motor or horse machine is required, but for all reasonable-size jobs this Spreader is just what is needed.

WIRE FENCING

AMERICAN ALL-STEEL
WOVEN WIRE FENCE

Made of Large, Strong Wires, Heavily Galvanized

Amplly provides for expansion and contraction. Only best Bessemer steel wires used. Always of uniform quality. Never goes wrong, no matter how great a strain is put upon it. Does not mutilate, but does efficiently turn cattle, hogs, and pigs.

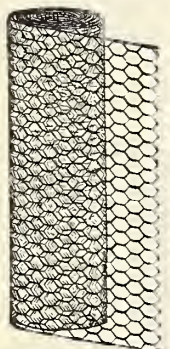
Every rod of American Fence guaranteed by the manufacturers. Call and see it. Can show you how it will save you money.

No.	Inches high	12-inch stay Price per rod	6-inch stay Price per rod
845	45	Farm Market Price	Farm Market Price
1047	47	Farm Market Price	Farm Market Price
1155	55	Farm Market Price	Farm Market Price
832	32	Hog Market Price	Hog Market Price
939	39	Hog Market Price	Hog Market Price

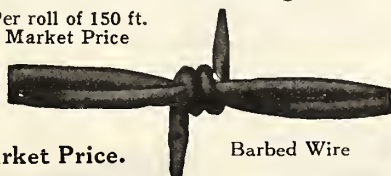
POULTRY NETTING

- No. 19 and 20 Wire, 2-in. mesh, 1 foot high.
- No. 19 and 20 Wire, 2-in. mesh, 2 feet high.
- No. 19 and 20 Wire, 2-in. mesh, 3 feet high.
- No. 19 and 20 Wire, 2-in. mesh, 4 feet high.
- No. 19 and 20 Wire, 2-in. mesh, 5 feet high.
- No. 19 and 20 Wire, 2-in. mesh, 6 feet high.
- No. 20 Wire, 1-in. mesh, 1 foot high.
- No. 20 Wire, 1-in. mesh, 2 feet high.
- No. 20 Wire, 1-in. mesh, 3 feet high.
- No. 20 Wire, 1-in. mesh, 4 feet high.

Per roll of 150 ft.
Market Price

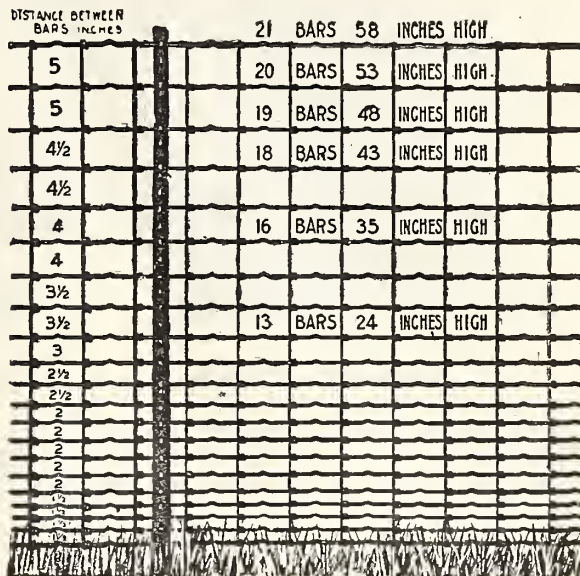


Poultry Netting



Barbed Wire

BARBED WIRE. Market Price.

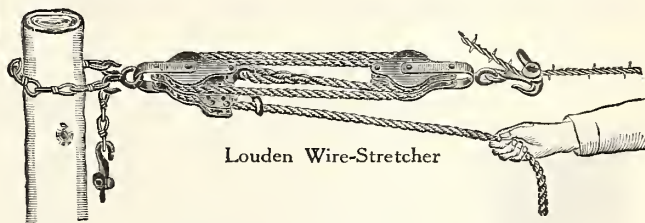


NEW AMERICAN POULTRY FENCE

This is a fence, not a netting, and, as now made, is, without doubt, the best on the market, adequate for all requirements, in fencing against poultry, large and small. Hence, for poultry-yards, gardens, orchards, etc., it is a great favorite. Stays are 6 inches apart. Spacing from 1 1/2 inches at the bottom to 5 inches at the top. Top and bottom bar, No. 11 wire; intermediate bars, No. 13 wire; stays, No. 14 wire.

The fence costs but little more than the ordinary netting, and in all ways is far superior.

No. 1948. 6-inch stay Market Price
No. 2158. 6-inch stay Market Price



Louden Wire-Stretcher

LOUDEN WIRE-STRETCHER

For Stretching Wire. Double-tackle block power stretches barbed or plain wire as tight as a fiddle-string. Equipped with better than ordinary wire eccentrics—ground and fitted. Holds the wire in a grip that cannot slip.

For Hoisting. Enables one man to change wagon-boxes, lift gas engines, and handle heavy loads easily. A handy helper which soon pays its cost in time and labor saved. Saves time, labor, and heavy lifting.

Stormtight

Liquid, gal. \$2, 5 gals. \$9.50, 10 gals. \$18, 36 gals. \$56.50
Plastic, lb. 25 cts., 5 lbs. \$1.10, 10 lbs. \$2.10, 25 lbs. \$5

Can be applied over any old roofing whatever. Not affected by heat or cold, rain or snow. Coat your entire old roof with Stormtight, brushing it over the surface.

Stormtight is composed of organic materials. We recommend its use in either Liquid or Plastic for application on wounds and for filling cavities in trees.

RUTLAND ROOFING PAINT

Gal. \$1.50, 5 gals. \$4.50.

LAWN FENCE AND GARDEN GATES

Style "F" fabric is sanitary and attractive. It opens up the view, making gardens, lawns, and playgrounds possible.

Pickets are all No. 9 heavily galvanized wire, woven perfectly even, chicken-tight, and spaced $2\frac{7}{8}$ inches apart at the top and $1\frac{3}{8}$ inches at the bottom.

Best heights are 36, 42, and 48 inches. Market price.

GARDEN GATES

Low-priced, strong, durable.

36, 42, and 48 inches are popular heights.

Market price.

Write for prices on 8-, 10-, 12-, 14-, and 16-foot Farm Gates.

FLOWER GUARD

Protects flower-beds in lawns, parks, and boulevards. Keeps out children, also chickens, dogs, cats, etc. Fabric may be cut to any desired length to fit any shape or size of flower-bed.



Pickets No. 9, cables No. 13 heavily galvanized wire. Made in two heights, 16- and 22-inch. Market price.

TREE GUARD

Ready to set up by claspung hooked ends.

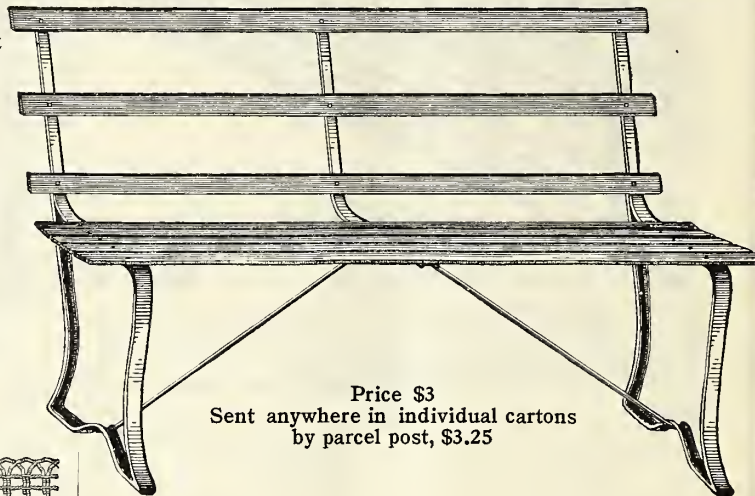
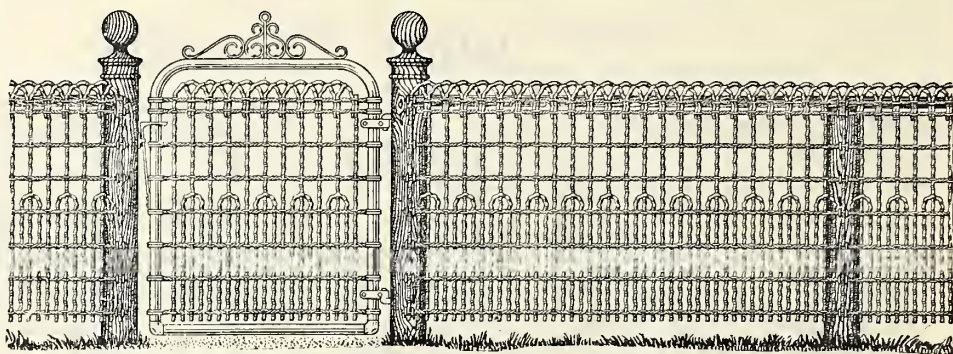
Spiral spring protects tree, without shading, rubbing, or bruising the bark.

Made 6 feet high, of heavily galvanized wire, and 9 inches in diameter. Market price.



Tree Guard

THE COW'S THREE BEST FRIENDS



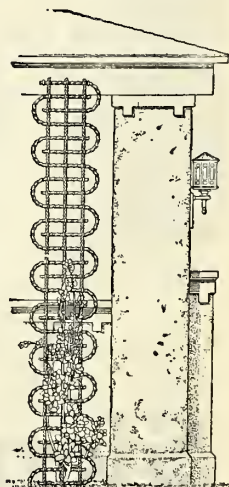
Price \$3
Sent anywhere in individual cartons
by parcel post, \$3.25

THE NEW "LITE-WATE" SETTEE

The "Lite-Wate" settee is convenient to move about. It actually weighs only 18 lbs., is 42 in. long (ample room for two people) stands 30 in. high to the top of back. The seat is 13 in. deep. Frame made of best grade light channel steel, slats of milled oak, all bolt-fastened. Finished moss green.

SINGLE TRELLIS

Practical and durable; very attractive in appearance. Retains its shape, and can be cut to any length; well adapted for climbing vines and flowers. 18 inch, per lineal foot, market price.



Single Trellis

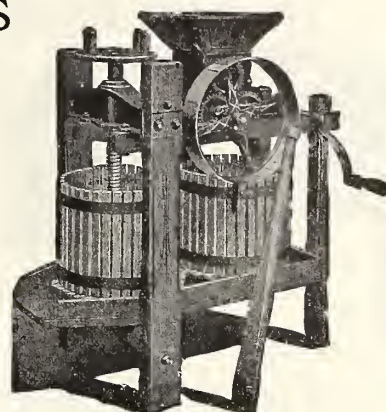
RED CROSS LINES



No. 3



Force-Feed One-Tub Mill



Senior Two-Tub Mill

RED CROSS WINE AND FRUIT PRESSES

	Size of screw	Size of tub outside	Weight
No. 1.....	1 1/8 x 18 3/4 in.	12 x 10 in.	72 lbs.
No. 2.....	1 1/2 x 20 1/2 in.	14 x 12 in.	99 lbs.
No. 3.....	2 x 23 1/2 in.	19 x 22 in.	167 lbs.

All have Heavy Iron Crosshead and Cold Rolled Steel Press-Screw.

Ask for general descriptive catalogue of these and the larger Mills. We will be pleased to quote the lowest market price at any time.

RED CROSS CIDER MILLS

	Size of tub outside	Weight
Force Feed, 1 tub.....	14 x 12 in.	140 lbs.
Junior, 2 tubs.....	12 x 10 in.	190 lbs.
Medium, 2 tubs.....	12 x 12 in.	235 lbs.
Senior, 2 tubs.....	19 x 22 in.	345 lbs.
Capacity: Force Feed, 2 bbls. per day; Junior, 4 bbls.; Medium, 6 bbls.; Senior, 12 bbls.		

The Senior is equipped with two cranks for hand operation and a heavy pulley for power.

NOVELTY FRUIT PRESSES (Ball Bearing Ratchet System)

We are illustrating a Fruit Press which has been the choice of the most discriminating buyers. The points of superiority are easily discernible on casual inspection, the best of materials being used in the manufacture of these Fruit Presses.

The ball bearing ratchet system makes it very easy to operate. A child has the same pressure results as an adult. The two points where the strength rests are on the steel cones having between them A-1 steel ball bearings. The ball bearings eliminate all friction and wasted energy, thus giving the press greater squeezing capacity. Otherwise the two surface points would drag.

The wooden parts are made from western seasoned oak. Cold rolled steel is used for the screws. The ratchets, bases and legs are made from substantial metal. All parts are guaranteed.

If you want a good press remember the name—**Novelty Fruit Press**—manufactured by Novelty Manufacturing Company, Inc.

Dimension of Screw	Dimension of Base	Dimension of Staves	Diameter of Tub	Depth of Tub	Total Weight
No. 2.... 1 1/2 in.	14 x 21 3/4 in.	3/4 x 1 3/4 in.	16 1/2 in.	18 in.	162 lbs.
No. 3.... 1 1/2 in.	14 x 24 in.	3/4 x 1 3/4 in.	18 in.	20 in.	195 lbs.
No. 4.... 2 in.	15 1/2 x 25 1/2 in.	1 x 1 3/4 in.	20 in.	18 in.	265 lbs.



No. 3 Novelty Fruit Press

POULTRY REMEDIES AND SUPPLIES

CONKEY'S POULTRY REMEDIES

Conkey's Old Reliable Powder. 25 cts., 50 cts., and \$1 each.

Conkey's Pills. 25 cts., 50 cts., and \$1 each.

Conkey's Diatex. 25 cts., 50 cts., and \$1 each.

Conkey's Salvo. 25 cts., 50 cts., and \$1 each.

Conkey's Balmo. 50 cts. each.

Poultry Worm Remedy. 25 cts. and 50 cts. each.

Scaly Leg Remedy. 25 cts. each.

Lice Powder. 35 cts. and 75 cts. each.

Head-Lice Ointment. 10 cts. and 25 cts. each.

Conkey's Y-O. 55 cts., \$1 and \$2 each.

Buttermilk Starting Food. 25c. to \$5 each.

DR. HESS' POULTRY REMEDIES

Pan-a-min. 50 cts., \$1, \$2 and \$3 each.

Poultry Ver-mi-trol. \$1.25 and \$2.75 each.

Dr. Hess' Poultry Tablets. 50 cts. and \$1 each.

Instant Louse-Killer. 25c. and 50c. each.

PRATT'S POULTRY REMEDIES

Poultry Regulator. 50 cts. each.

Powdered Lice Killer. 25c. and 50c. each.

R-P Powder. 25 cts., 50 cts., and \$1 each.

R-P Tablets. 25 cts., 50 cts., and \$1 each.

Chick Tablets. 25 cts. and 50 cts. each.

Gape Compound. (External use.) 30 cts.

and 60 cts. each.

Baby Chick Feed. 25 cts. to \$5 each.

Poultry Disinfectant. 60 cts., \$1, and \$1.60 each.

Condition Tablets. 25 cts. each.

Head-Lice Ointment. 30 cts. each.

Sore Head Chicken-Pox Preparation.

30 cts. each.

Scaly Leg Ointment. 30 cts. each.

Pratt's N-K Poultry Worm Tablets.

65 cts., \$1, and \$1.75 each.

WIRTHMORE FEEDS

Buttermilk Baby Chick-Food. 25c. to \$5 ea.

Gritless Chick-Feed.

Intermediate Chick-Feed.

Growing Feed with Buttermilk.

Scratch-Feed.

Mash with Buttermilk.

Market Price

POULTRY FOUNTS AND FEEDERS

Drew Chick-Founts.

Felker's Chick-Founts.

Moe's Chick-Founts.

Sexton and Felker's Poultry-Founts.

Earthenware Founts.

Sexton Chick-Feeders.

Moe's Chick-Feeders.

Felker's Chick-Feeders.

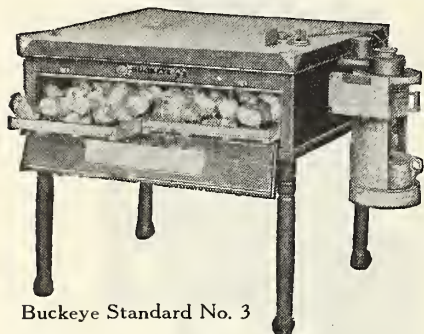
Sexton Poultry-Feeders.

Felker's Poultry-Feeders.

Moe's Poultry-Feeders.

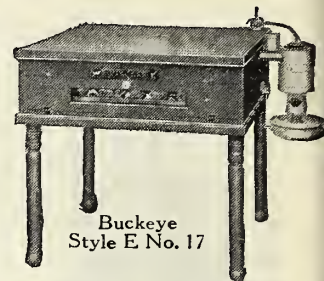
Prices on application

Buckeye Incubators Hatch More and Better Chicks



Buckeye Standard No. 3

There are two styles of the Buckeye Incubator—the Buckeye Standard and the Buckeye Style E. They are the result of over thirty-five years of study and experiment, and they include today every possible device for the promotion of the highest efficiency in incubation. **There are no other incubators like them.** They will hatch more chicks and better chicks than any other incubator in the world. Buckeye Standard Incubators are made with a double-thick case, the outer layer of which is California redwood. Heat insulation is practically perfect. The **hot water** circulating tank is of **pure copper**—it will never rust or corrode. The automatic regulator is the most perfect device of its kind ever invented—it **assures** the uniform temperature essential to proper incubation at all times and

Buckeye
Style E No. 17

without any attention whatever. The lamp is supplied with either an oil or gas burner—each one efficient, economical in operation, dependable and **fireproof**. Buckeye Style E Incubators are a little more simply constructed and a little less expensive in price—but they contain **all the essential features of Buckeye design**.

NOTE THIS: Both Buckeye Standard and Buckeye Style E Incubators carry the same unlimited guarantee—to hatch every hatchable egg every time and under all conditions. You can select either type of Buckeye Incubator and be sure of the best possible hatching results.

Capacities, Weights, and Prices of Buckeye Incubators

No. 1 110 eggs (100 lbs.).....	\$30 00
No. 2 175 eggs (135 lbs.).....	35 00
No. 3 250 eggs (200 lbs.).....	46 50

No. 4 350 eggs (230 lbs.).....	\$55 00
No. 5 600 eggs (325 lbs.).....	87 50

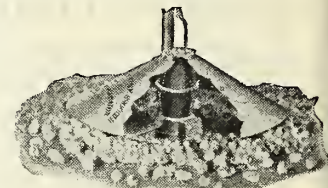
STYLE E	
No. 14 65 eggs (55 lbs.).....	\$16 50
No. 16 110 eggs (85 lbs.).....	22 50
No. 17 210 eggs (125 lbs.).....	30 00

Buckeye Colony Brooders Raise Every Raisable Chick



Buckeye Oil Burner

Buckeye Colony Brooders are made in two types—coal-burning and oil-burning. The coal-burning Buckeye is made with the most scientifically designed Brooder stove ever invented. An accurate double-wafer thermostat assures uniform temperature at all times, **holds** an even fire and prevents it from going out. The oil-burning Buckeye has an extra-large wick burner, clog-proof supply line and leak-proof fuel tank. Both types are remarkably economical in operation, require attention only twice a day and are absolutely fireproof. They keep the chicks warm, contented, and lively, insuring sound, rapid growth.



Buckeye Coal Burner

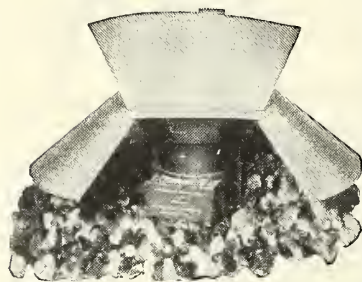
Capacities, Weights and Prices

COAL BURNING

No. 117 350 chicks (75 lbs.).....	\$15 75
No. 118 500 chicks (95 lbs.).....	21 00
No. 119 1,000 chicks (109 lbs.).....	26 00
No. 91 Electric, 100 chicks	\$19 75

OIL BURNING

No. 27a 200 chicks (40 lbs.).....	\$16 75
No. 28a 350 chicks (50 lbs.).....	19 50
No. 29a 500 chicks (60 lbs.).....	21 00



The Newtown Colony Brooder

Don't be content with ordinary brooders. They are the most expensive kind. You can't afford them. There is no comparison between Newtown and other type brooders. Regardless of the type of other brooders, you get more chick-raising ability and greater satisfaction, dollar for dollar, in a Newtown coal-burning brooder than in any other kind ever built. That's a fact. Comparisons prove it.

No. 11 500 chick capacity, 50-inch diameter.....	\$32 50
No. 12 1,000 chick capacity, 56-inch diameter.....	40 00

Certain-teeed

Quality
Cert-ified

Roofing

Durability
Guaran-teeed

It means the best protection for your buildings

You can test roofing until the cows come home—by every known means—twist it, pull it, tear it, bite it—and when you get through you'll know just as much about how long it will wear as when you started.

Even a roofing expert can't tell by any test how long roofing will last. The only true test is on the roof. When a manufacturer has the faith in his product to stand behind it with a 15-year guarantee, backed by the responsibility of his three big roofing mills—there's the kind of dependable product we are looking for to sell to our customers.

Price per roll, 1-ply, 2-ply, and 3-ply at lowest market price

Lone Star Roofing

The question of a desirable Roofing at a reasonable price presents itself to many of our customers, and in view of these conditions we wish to call to your special attention our Lone Star Roofing.

This Roofing will give the most satisfactory service under any climatic conditions, is weather- and waterproof, elastic, durable and fire-retarding. For temporary structures we recommend the use of 1-ply; for permanent buildings we recommend the use of the 2- and 3-ply. **Per roll, lowest market price.**

The W. E. BARRETT COMPANY

Canal and Waterman Sts., PROVIDENCE, R. I.

[illegible]

The W. E. Barrett Company give no warranty, express or implied, as to description, quality, productiveness, or any other matter of any seeds, plants or bulbs they send out, and they will not be in any way responsible for the crop. If the purchaser does not accept the goods on these terms, they are at once to be returned.

[illegible][illegible]

Farmers and Market-Gardeners Are Cordially Invited to Make Our Store Their Headquarters when in Providence

Number of plants to the acre at given distances

Dis. apart	No. plants	Dis. apart	No. plants	Dis. apart	No. plants	Dis. apart	No. plants
12 x 1 in.	522,720	24 x 24 in.	10,890	36 x 36 in.	4,840	60 x 60 in.	1,743
12 x 3 "	174,240	30 x 1 "	209,088	42 x 12 "	12,446	8 x 1 ft.	5,445
12 x 12 "	43,560	30 x 6 "	34,848	42 x 24 "	6,223	8 x 3 "	1,815
16 x 1 "	392,040	30 x 12 "	17,424	42 x 36 "	4,148	8 x 8 "	680
18 x 1 "	348,480	30 x 16 "	13,068	48 x 12 "	10,890	10 x 1 "	4,356
18 x 3 "	116,160	30 x 20 "	10,454	48 x 18 "	7,790	10 x 6 "	726
18 x 12 "	29,040	30 x 24 "	8,712	48 x 24 "	5,445	10 x 10 "	435
18 x 18 "	19,360	30 x 30 "	6,970	48 x 30 "	4,356	12 x 1 "	3,630
20 x 1 "	313,635	36 x 3 "	58,080	48 x 36 "	3,630	12 x 5 "	736
20 x 20 "	15,681	36 x 12 "	14,520	48 x 48 "	2,723	12 x 12 "	302
24 x 1 "	261,360	36 x 18 "	9,680	60 x 36 "	2,901	16 x 1 "	2,722
24 x 18 "	15,520	36 x 24 "	7,260	60 x 48 "	2,178	16 x 16 "	170

Quantity of seed requisite to produce a given number of plants and sow an acre

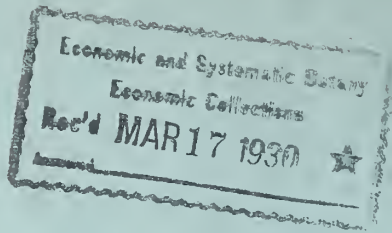
	Quantity per acre		Quantity per acre
Asparagus, 1 oz. to 800 plants.	4 lbs.	Grass, Timothy.	25 to 30 lbs.
Asparagus roots.	5,000 to 8,000	" Orchard, Perennial Rye and Wood Meadow.	25 to 35 "
Barley.	120 lbs.	Hungarian.	50 "
Beans, Dwarf, 1 lb. to 100 feet of drill.	60 "	Kale, 1 oz. to 3,000 plants, or 200 feet of drill.	1 1/2 "
Beans, Pole, 1 lb. to 100 hills.	30 "	Kohlrabi, 1/2 oz. to 100 feet of drill.	2 "
Beet, Garden, 1 oz. to 100 feet of drill.	6 "	Leek, 1/2 oz. to 100 feet of drill.	4 "
Beet, Mangel, 1 oz. to 100 feet of drill.	5 "	Lettuce, 1/2 oz. to 100 feet of drill.	3 "
Broccoli, 1 oz. to 5,000 plants.	4 ozs.	Melon, Musk, 1 oz. to 100 hills.	1 to 3 "
Brussels Sprouts, 1 oz. to 3,000 plants.	4 "	" Water, 4 ozs. to 100 hills.	1 1/2 to 4 "
Buckwheat.	48 lbs.	Millet, Golden.	50 "
Cabbage, 1 oz. to 3,000 plants.	4 ozs.	Nasturtium, 2 ozs. to 100 feet of drill.	15 "
Carrot, 1/2 oz. to 100 feet of drill.	2 1/2 lbs.	Oats.	100 "
Cauliflower, 1 oz. to 3,000 plants.	4 ozs.	Onion seed, 1/2 oz. to 100 feet of drill.	4 to 5 "
Celery, 1 oz. to 8,000 plants.	2 "	" sets, 2 lbs. to 40 feet of drill.	250 "
Chicory, 1 oz. to 4,000 plants.	4 lbs.	Parsnips, 1/2 oz. to 100 feet of drill.	4 "
Clover, Alsike.	6 "	Parsley 1/2 oz. to 100 feet of drill.	3 "
" Alfalfa or Lucerne.	15 to 25 "	Peas, Garden, 1 lb. to 100 ft. of drill.	120 "
" Mammoth.	8 to 12 "	" Field.	120 "
" Medium.	8 to 12 "	Pepper, 1 oz. to 1,500 plants.	1 1/2 "
" White Dutch.	6 "	Pumpkin, 3/4 lb. to 100 hills.	3 to 4 "
Corn, Field.	15 "	Radish, 1/2 oz. to 100 feet of drill.	10 to 12 "
" Sweet, 1/2 lb. to 100 hills.	15 "	Rutabaga.	1 "
Cowpeas, in drills.	60 "	Rye.	60 to 90 "
Cucumber, 1 oz. to 50 hills.	1 to 3 "	Sage in drills.	4 to 5 "
Dill, 1/2 oz. to 100 feet of drill.	5 "	Salsify, 1/2 oz. to 100 feet of drill.	8 "
Eggplant, 1 oz. to 2,000 plants.	4 ozs.	Spinach, 1/2 oz. to 100 feet of drill.	10 "
Endive, 1/2 oz. to 100 feet of drill.	4 1/2 lbs.	Squash, Summer, 4 ozs. to 100 hills.	4 "
Grass, Blue, Kentucky.	15 to 20 "	" Winter, 8 ozs. to 100 hills.	2 "
" Millet, Japanese.	25 "	Tomato, 1 oz. to 2,000 to 3,000 plants.	
" Mixed Lawn.	60 to 100 "	Turnip, 1 oz. to 250 feet of drill.	1 to 3 "
" Red-Top Fancy.	15 "	Vetch, Spring.	90 to 120 "
" Rhode Island Bent.	25 to 40 "	" Hairy or Sand.	30 to 60 "
		Wheat.	60 to 90 "

Standard weights of various articles

	Per bus.		Per bus.		Per bus.		Per bus.
Barley.	48 lbs.	Corn, Field, on ear.	70 lbs.	Millet, Common.	50 lbs.	Rye.	56 lbs.
Beans.	60 "	" Sweet.	50 "	Millet, German or Golden.	50 "	Sorghum.	50 "
Buckwheat.	48 "	Grass, Hungarian.	48 "	Peas, smooth.	60 "	Vetch or Tare.	60 "
Clover.	60 "	" Timothy.	45 "	" wrinkled.	56 "	Wheat.	60 "
Corn, Field, shelled.	56 "	Hemp.	40 "	Rape.	50 "	Oats.	32 "

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SEEDS AND FARM IMPLEMENTS

The W. E. BARRETT CO.
PROVIDENCE, RHODE ISLAND